

# Industrial catalogue



- Pressure gauges
- Dial thermometers
- V-lines & industrial liquid-in-glass thermometers
- Digital meters
- Industrial accessories

**Measurement for life.**



# Who are we?

**5 year  
warranty on  
all products\***

**Brannan (S. Brannan & Sons Ltd)** has manufactured and supplied thermometers, gauges and instrumentation since 1913. Over a century of tradition, combined with modern manufacturing methods as well as a strong focus on standards, ensure unequalled service and quality. We have operated a quality management system since 1991 and currently operate within the scope of ISO 9001:2015.

Complementing our production facilities, we provide an in-house calibration service, and operate our own state of the art UKAS accredited calibration laboratory. Customers can request calibrations on new products or send in existing products to be re-calibrated. We calibrate temperature instruments, pressure instruments, timers and more. View more at [brannan.co.uk](http://brannan.co.uk).

This catalogue details a wide range of products for a variety of applications. Standard items are normally available for immediate delivery. Did you know you can get your products supplied complete with your company branding (selected products) and we endeavour to accommodate special modifications and requests where possible. Quantity dependent, you can even supply your products in your own packaging.

Please note:

- All electronic instruments are supplied with batteries and full instructions.
- All dimensions are for unpacked products.
- All information is correct at time of printing, but our policy is one of continuous product development. We reserve the right to change specification without notice.

For more information on any product within this brochure, or questions about any of the services mentioned above, please contact our sales team: [sales@brannan.co.uk](mailto:sales@brannan.co.uk).

\*exclusions apply, 2 year warranty on battery instrumentation.



**[brannan.co.uk](http://brannan.co.uk)**



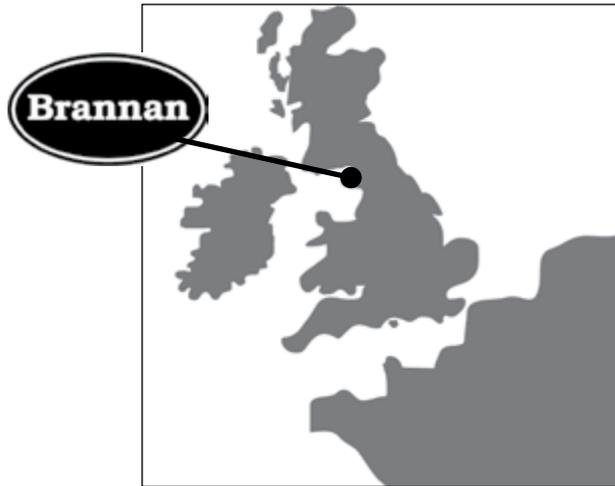
**[sales@brannan.co.uk](mailto:sales@brannan.co.uk)**



# Contact us

We are located in Cleator Moor, Cumbria on the western fringe of the English Lake District.

Please see below contact details for assistance with your enquiries or to place an order. All of our prices are competitive and quantity discounts apply. Alternatively, small orders of selected items can be placed on our website.



## **Brannan**

Leconfield Industrial Estate  
Cleator Moor  
Cumbria  
United Kingdom  
CA25 5QE

### **Opening hours:**

Mon	8am - 4:45pm
Tues	8am - 4:45pm
Weds	8am - 4:45pm
Thurs	8am - 4:45pm
Fri	8:45am - 12:45pm

### **Contact us:**



[brannan.co.uk](http://brannan.co.uk)



[sales@brannan.co.uk](mailto:sales@brannan.co.uk)



+ 44 (0)1946 816 600



+ 44 (0)1946 816 625

Visit our  
website:



[brannan.co.uk](http://brannan.co.uk) 

[sales@brannan.co.uk](mailto:sales@brannan.co.uk) 

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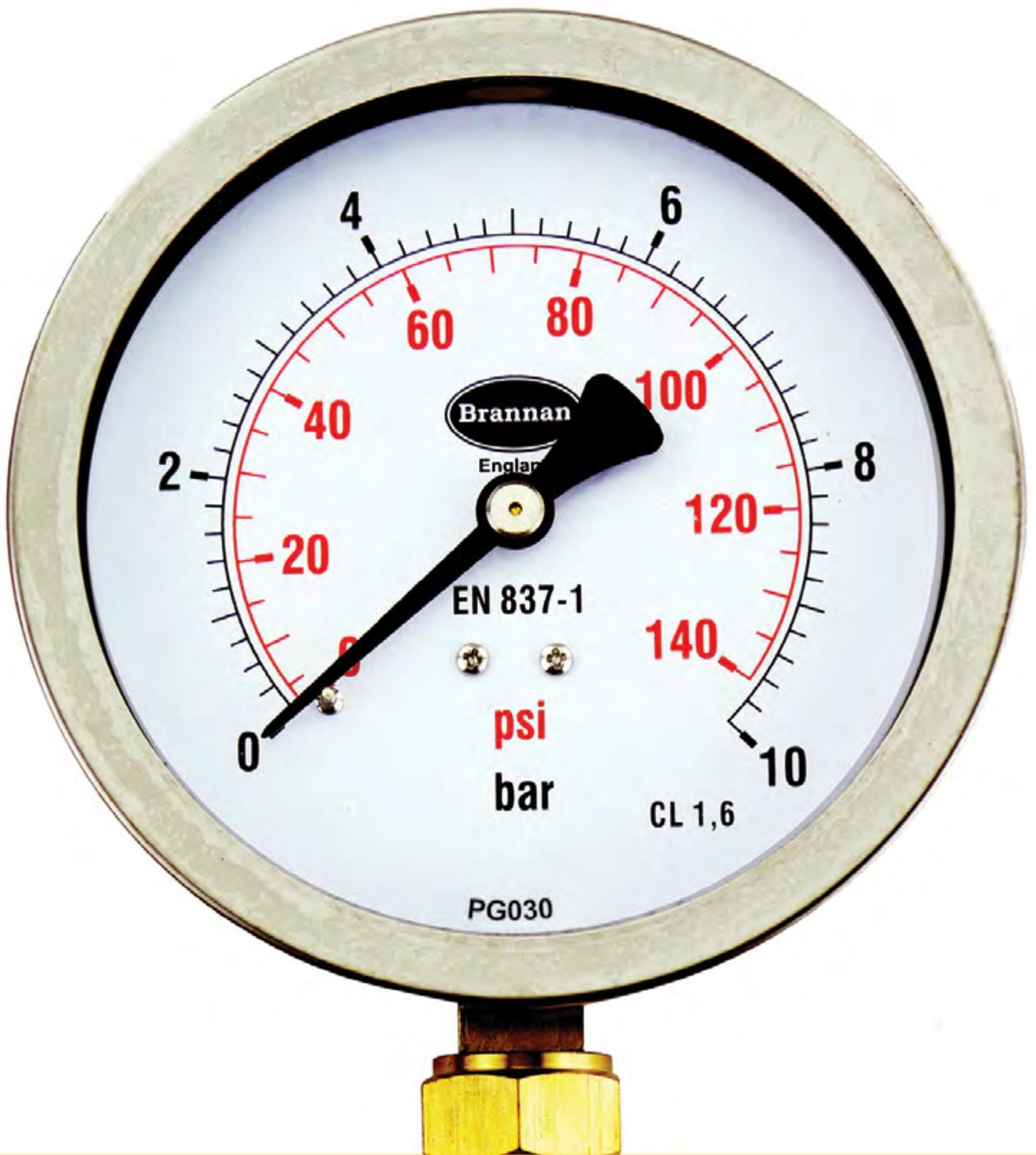
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# Pressure



# PG010 - Black case pressure gauges

## Product features:

- Low price commercial pressure gauge
- **Brannan** quality and accuracy
- Wide choice of ranges and dial diameters
- For dry indoor installations
- Wide range of associated accessories available
- UKAS calibration available



## Product specifications:

<b>Dial diameters</b>	Ø40mm, 50mm & 63mm (Ø100mm available on request)
<b>Design</b>	BS EN 837
<b>Safety category</b>	0 (gauge without blow-out device)
<b>Accuracy class</b>	1.6 (Ø40mm: Class 2.5)
<b>Ranges</b>	0 to 1 bar & psi through to 0 to 400 bar & psi
<b>Case</b>	Ø40 & 50mm: black steel
<b>Connection</b>	Ø40mm: 1/8" BSP brass bottom or back entry (NPT or BSPT on request) Ø50 & Ø63mm: 1/4" BSP brass bottom or back entry (NPT or BSPT on request)
<b>Window</b>	Polycarbonate, snap fit
<b>Pointer</b>	Black aluminium
<b>Filling</b>	Dry
<b>Working pressure</b>	Steady: 75% full scale range Fluctuating: 60% full scale range Short time: full scale range
<b>Operating temperature</b>	Ambient: -20 to +60°C Medium: -20 to +60°C
<b>Storage temperature</b>	-40 to +60°C
<b>Temperature effect</b>	When temperature of the pressure element deviates from reference temperature of 20°C the maximum additional error is +/-0.4 per 10°C of the span rising and falling
<b>Bourdon</b>	Cu-Alloy C-type
<b>Bourdon movement</b>	Cu-Alloy
<b>Protection</b>	Ø40mm: IP 33 (BS EN 50629:1992) Ø50mm & 63mm: IP 43 (BS EN 60529:1992)
<b>Calibration</b>	UKAS certification, certificate traceable to recognised national standard or statement of conformity, if required

## Product accessories:

Please see accessories section of this catalogue for associated items for use with these gauges.

- Syphons
- Gauge cocks
- Adaptors
- Snubbers



[brannan.co.uk](http://brannan.co.uk)

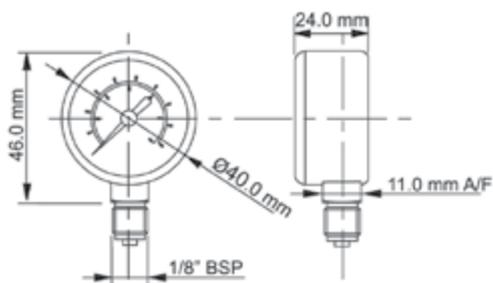


[sales@brannan.co.uk](mailto:sales@brannan.co.uk)

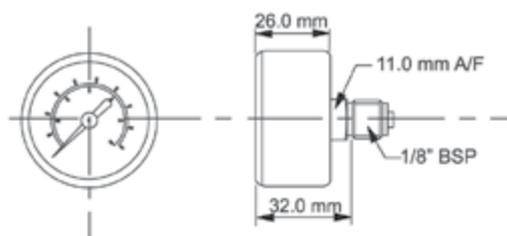


## Product dimensions:

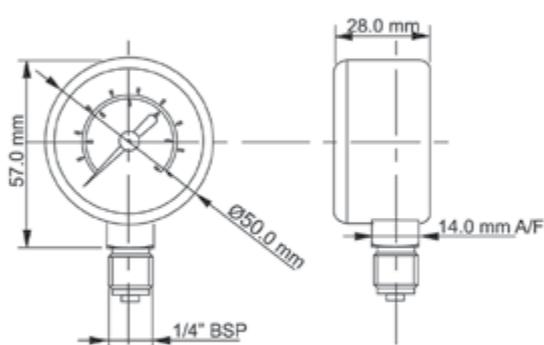
Ø40mm dial pressure gauge - bottom entry



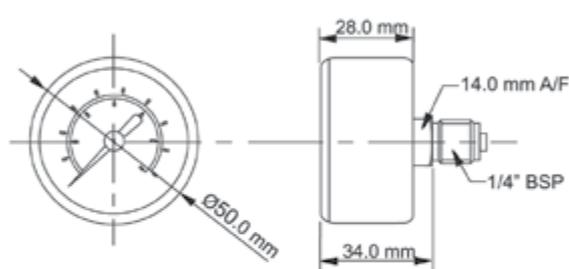
Ø40mm dial pressure gauge - back entry



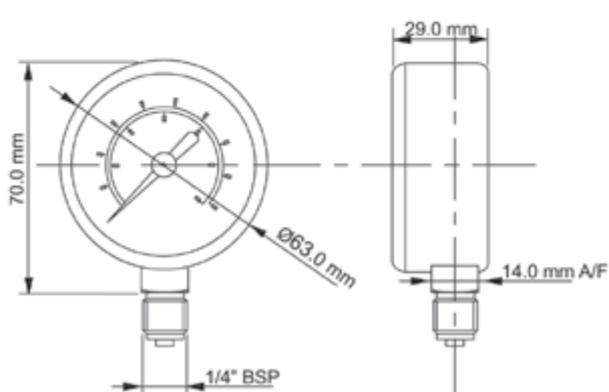
Ø50mm dial pressure gauge - bottom entry



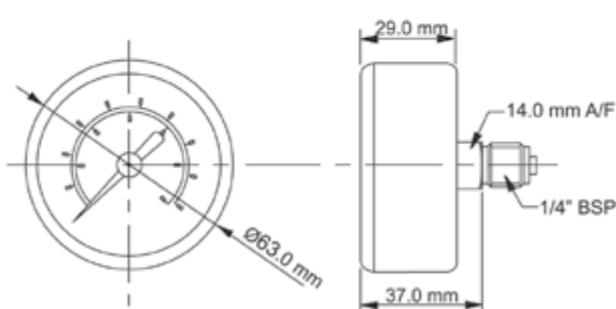
Ø50mm dial pressure gauge - back entry



Ø63mm dial pressure gauge - bottom entry



Ø63mm dial pressure gauge - back entry



# PG010 - Black case pressure gauges

## Product numbers:

The following are our standard product numbers. Special products can be supplied on request, for example, customer own branding, alternative connection, range, etc. Minimum order quantities apply. Please contact our sales team for further information.

Range Bar & PSI	Ø40mm connection		Ø50mm connection		Ø63mm connection		
	Bottom BSP	Back BSP	Bottom BSP	Back BSP	Bottom		Back BSP
					BSP	NPT	
0 to 1	-	-	-	-	34/421/0	-	34/441/0
0 to 1.6	-	-	34/122/0	34/142/0	34/422/0	-	34/442/0
0 to 2.5	34/023/0	34/043/0	34/123/0	34/143/0	34/423/0	-	34/443/0
0 to 4	34/024/0	34/044/0	34/124/0	34/144/0	34/424/0	34/424/3	34/444/0
0 to 6	34/025/0	34/045/0	34/125/0	34/145/0	34/425/0	34/425/3	34/445/0
0 to 10	34/026/0	34/046/0	34/126/0	34/146/0	34/426/0	34/426/3	34/446/0
0 to 16	34/027/0	34/047/0	34/127/0	34/147/0	34/427/0	34/427/3	34/447/0
0 to 25	34/028/0	34/048/0	34/128/0	34/148/0	34/428/0	34/428/3	34/448/0
0 to 40	34/029/0	34/049/0	34/129/0	34/149/0	34/429/0	34/429/3	34/449/0
0 to 60	-	-	-	-	34/460/0	-	34/480/0
0 to 100	-	-	-	-	34/461/0	-	34/481/0
0 to 160	-	-	-	-	34/462/0	-	34/482/0
0 to 250	-	-	-	-	34/463/0	-	34/483/0
0 to 400	-	-	-	-	34/464/0	-	34/484/0
-1 to 0	-	-	-	-	34/466/0	-	34/486/0
-1 to 3	-	-	-	-	34/469/0	-	34/489/0
-1 to 5	-	-	-	-	34/468/0	-	34/488/0
-1 to 9	-	-	-	-	34/467/0	-	34/487/0

## Calibration product numbers:

Calibration	Number of points	Product number
UKAS	5pt	49/075/0
Traceable to national standards	5pt	49/060/0

Other calibration types available on request





## Product features:

- Pressure gauge with stainless steel bezel
- Adjustable loose red pointer
- **Brannan** quality and accuracy
- Wide choice of pressure ranges (also available in metres and feet ranges)
- Personalised instrumentation available on request
- For dry indoor installations
- Wide range of associated accessories available

## Product specifications:

<b>Dial diameters</b>	Ø100mm & 150mm
<b>Design</b>	BS EN 837
<b>Safety category</b>	S1 (blow-out device gauge)
<b>Accuracy class</b>	1.6 (Class 1.0 available on request)
<b>Ranges</b>	-1 to 0 bar & psi through to 0 to 100 bar & psi
<b>Case</b>	Black steel
<b>Bezel</b>	Stainless steel - rolled
<b>Connection</b>	Ø100mm: 3/8" brass bottom or back entry, 1/2" BSP/ NPT brass bottom entry only Ø150mm: 3/8" BSP brass bottom entry only (BSPT or wider range NPT available on request)
<b>Window</b>	Acrylic, snap fit
<b>Pointer</b>	Black aluminium and loose red pointers
<b>Filling</b>	Dry
<b>Working pressure</b>	Steady: 75% full scale range Fluctuating: 60% full scale range Short time: full scale range
<b>Operating temperature</b>	Ambient: -20 to +60°C Medium: -20 to +60°C
<b>Storage temperature</b>	-40 to +60°C
<b>Temperature effect</b>	When temperature of the pressure element deviates from reference temperature of 20°C the maximum additional error is +/-0.4 per 10°C of the span rising and falling
<b>Bourdon</b>	Cu-Alloy C-type
<b>Bourdon movement</b>	Cu-Alloy
<b>Protection</b>	IP 43 (BS EN 60529:1992)
<b>Calibration</b>	UKAS certification, certificate traceable to recognised national standard or statement of conformity, if required

## Product accessories:

Please see accessories section of this catalogue for associated items for use with these gauges.

- Syphons
- Gauge cocks
- Adaptors
- Snubbers



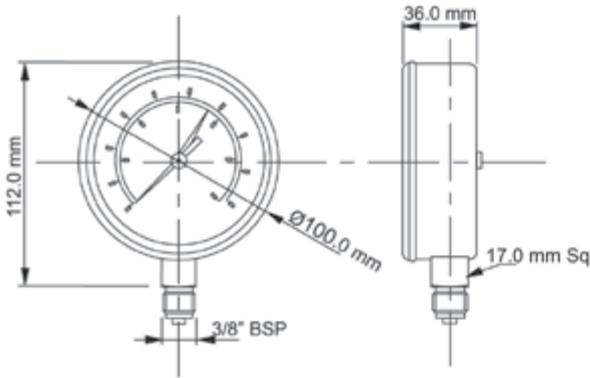
## Personalised instrumentation

As an additional service, we are able to offer full, four colour, logo print on **Brannan** gauges to personalise your products. Our state of the art printing process enables us to work with you to provide a branded product to enhance your instruments. This service is provided at our UK manufacturing facility and so enables a rapid turnaround (ex-stock gauges). Please contact our sales team for details.

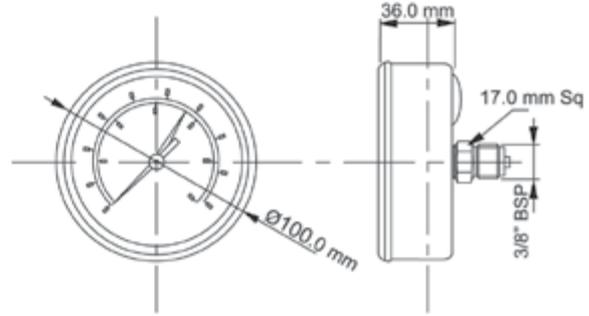
# PG020 - Black steel case pressure gauges with bezel

## Product dimensions:

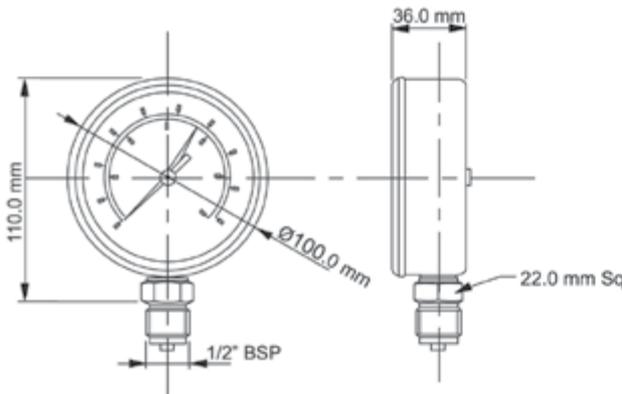
Ø100mm dial pressure gauge 3/8" BSP - bottom entry



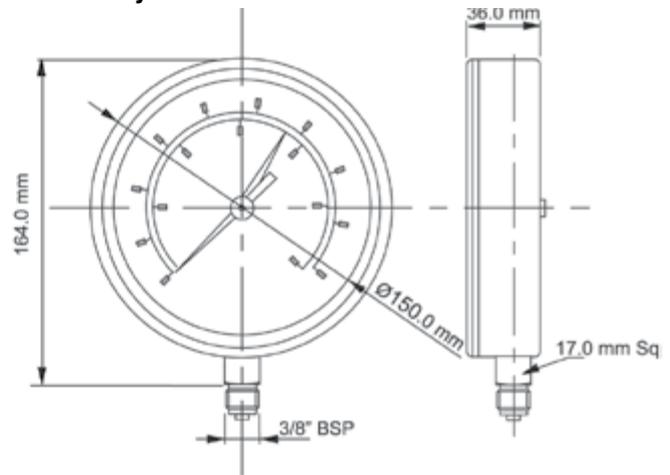
Ø100mm dial pressure gauge 3/8" BSP - back entry



Ø100mm dial pressure gauge 1/2" BSP - bottom entry



Ø150mm dial pressure gauge 3/8" BSP - bottom entry



## Product numbers:

The following are our standard product numbers. Special products can be supplied on request, for example, customer own branding, alternative connection, range, etc. Minimum order quantities apply. Please contact our sales team for further information.

Range Bar & PSI	Ø100mm			Back connection 3/8" BSP	Ø150mm Bottom connection 3/8" BSP
	Bottom connection				
	3/8" BSP	1/2" BSP	1/2" NPT		
0 to 1	34/651/0	34/651/1	-	34/741/0	34/951/0
0 to 2.5	34/652/0	34/652/1	-	34/742/0	34/952/0
0 to 4	34/653/0	34/653/1	-	34/743/0	34/953/0
0 to 6	34/654/0	34/654/1	34/654/3	34/744/0	34/954/0
0 to 10	34/655/0	34/655/1	34/655/3	34/745/0	34/955/0
0 to 16	34/656/0	34/656/1	34/656/3	34/746/0	34/956/0
0 to 25	34/657/0	34/657/1	34/657/3	34/747/0	34/957/0
0 to 40	34/658/0	34/658/1	34/658/3	-	-
0 to 60	34/659/0	34/659/1	-	-	-
0 to 100	34/660/0	34/660/1	-	-	-
-1 to 0	34/666/0	34/666/1	-	-	-
-1 to 1.5	34/667/0	34/667/1	-	-	-
-1 to 3	34/668/0	34/668/1	-	-	-
-1 to 5	34/669/0	34/669/1	-	-	-
-1 to 9	34/670/0	34/670/1	-	-	-

## Calibration product numbers:

Calibration	Number of points	Product number
UKAS	5pt	49/075/0
Traceable to national standards	5pt	49/060/0

Other calibration types available on request





## Product features:

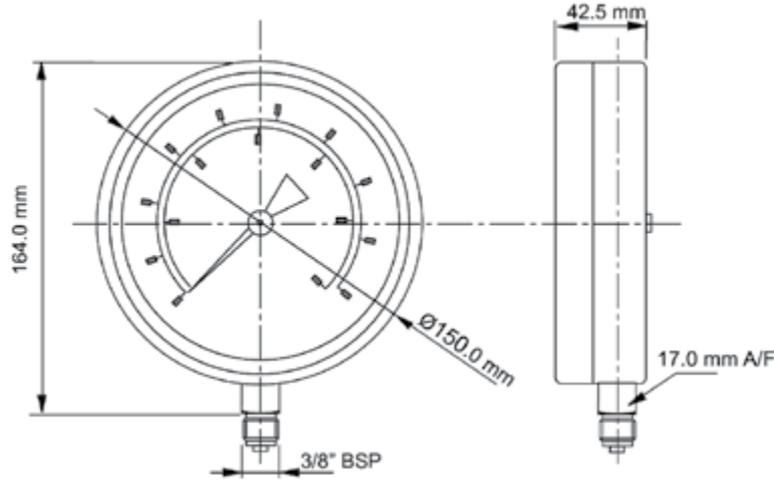
- 150mm diameter pressure gauge with black steel case and bezel
- **Brannan** quality and accuracy
- Personalised instrumentation available on request
- Wide range of associated accessories available
- Choice of pressure ranges
- For dry indoor installations
- Made in England

## Product specifications:

Dial diameters	Ø150mm
Design	BS EN 837
Safety category	S1 (blow-out device gauge)
Accuracy class	1.6 (Class 1.0 available on request)
Ranges	0 to 4 bar & psi through to 0 to 16 bar & psi
Case	Black steel
Bezel	Stainless steel - rolled
Connection	3/8" BSP Brass bottom entry only
Window	Acrylic, snap fit
Pointer	Black aluminium and loose red pointers
Filling	Dry
Working pressure	Steady: 75% full scale range Fluctuating: 60% full scale range Short time: full scale range
Operating temperature	Ambient: -20 to +60°C Medium: -20 to +60°C
Storage temperature	-40 to +60°C
Temperature effect	When temperature of the pressure element deviates from reference temperature of 20°C the maximum additional error is +/-0.4 per 10°C of the span rising and falling
Bourdon	Cu-Alloy C-type
Bourdon movement	Cu-Alloy
Protection	IP 43 (BS EN 60529:1992)
Calibration	UKAS certification, certificate traceable to recognised national standard or statement of conformity, if required

# PG022 - Black steel case pressure gauges with bezel

## Product dimensions:



## Product numbers:

The following are our standard product numbers. Special products can be supplied on request, for example, customer own branding, alternative connection, range, etc. Minimum order quantities apply. Please contact our sales team for further information.

Range bar & PSI	Product number
0 to 4	34/573/0
0 to 6	34/574/0
0 to 10	34/575/0
0 to 16	34/576/0

## Personalised instrumentation

As an additional service, we are able to offer full, four colour, logo print on **Brannan** gauges to personalise your products. Our state of the art printing process enables us to work with you to provide a branded product to enhance your instruments. This service is provided at our UK manufacturing facility and so enables a rapid turnaround (ex-stock gauges). Please contact our sales team for details.



## Calibration product numbers:

Calibration	Number of points	Product number
UKAS	5pt	49/075/0
Traceable to national standards	5pt	49/060/0

Other calibration types available on request

## Product accessories:

Please see accessories section of this catalogue for associated items for use with these gauges.

- Syphons
- Gauge cocks
- Adaptors
- Snubbers





## Product features:

- Waterproof and corrosion resistant case
- Glycerine filling available
- Front or back flange available for panel mounting
- **Brannan** quality and accuracy
- Personalised instrumentation available on request
- For outdoor and high humidity installations
- Wide choice of pressure ranges and dial diameters
- Wide range of associated accessories available

## Product applications:

- Pneumatics
- Heating, ventilation, air-conditioning
- Pulp and paper industry
- Pumps, compressors, hydraulic presses
- High humidity installations
- Hydraulics
- Food and beverage industry
- Machine and apparatus construction
- Outdoor installations

## Product specifications:

<b>Dial diameters</b>	Ø50mm, 63mm & 100mm
<b>Design</b>	BS EN 837
<b>Safety category</b>	Ø100mm: 1 (blow-out device gauge). Others: 0 (no blow-out device)
<b>Accuracy class</b>	1.6 (for Class 1.0 - see PG040)
<b>Ranges</b>	-1 to 0 bar & psi through to 0 to 600 bar & psi
<b>Case</b>	Stainless steel 304
<b>Connection</b>	Ø50 & 63mm diameter: 1/4" BSP or NPT brass bottom or centre back entry Ø100mm diameter: 1/2" BSP or NPT brass bottom or lower back entry
<b>Bezel</b>	Stainless steel 304. Ø50mm & 63mm: rolled bezel, Ø100: flat bezel
<b>Window</b>	Polycarbonate
<b>Pointer</b>	Black aluminium
<b>Filling</b>	Dry or glycerine filled
<b>Working pressure</b>	Steady: 75% full scale range Fluctuating: 60% full scale range Short Time: full scale range
<b>Operating temperature</b>	Ambient: -20 to +60°C Medium: -20 to +60°C
<b>Storage temperature</b>	-40 to +60°C
<b>Temperature effect</b>	When temperature of the pressure element deviates from reference temperature of 20°C the maximum additional error is +/-0.4 per 10°C of the span rising and falling
<b>Bourdon</b>	Cu-Alloy C-type
<b>Bourdon movement</b>	Cu-Alloy
<b>Protection</b>	IP 65
<b>Calibration</b>	UKAS certification, certificate traceable to recognised national standard or statement of conformity, if required

## Product accessories:

Please see accessories section of this catalogue for associated items for use with these gauges.

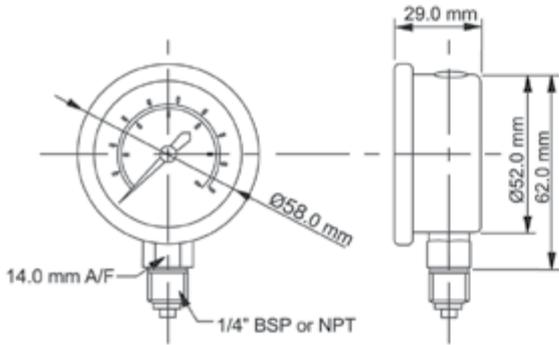
- Syphons
- Gauge cocks
- Adaptors
- Snubbers



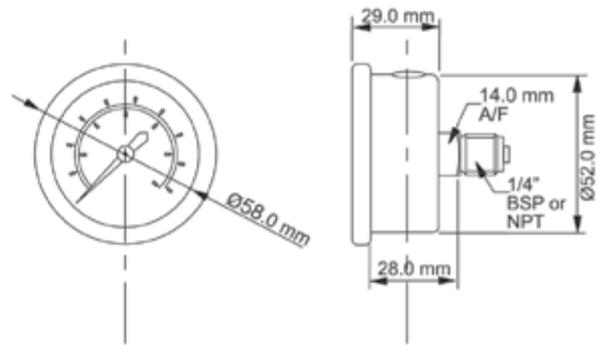
# PG030 - Fillable stainless steel case pressure gauges

## Product dimensions:

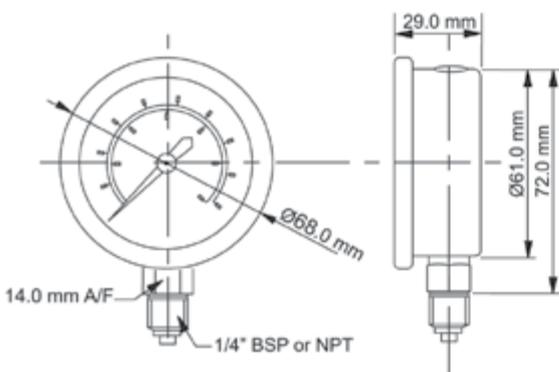
Ø50mm dial pressure gauge - bottom entry



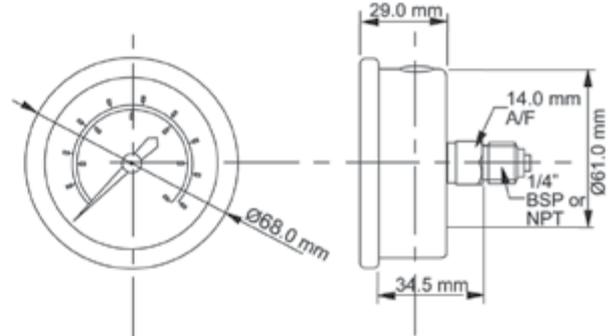
Ø50mm dial pressure gauge - back entry



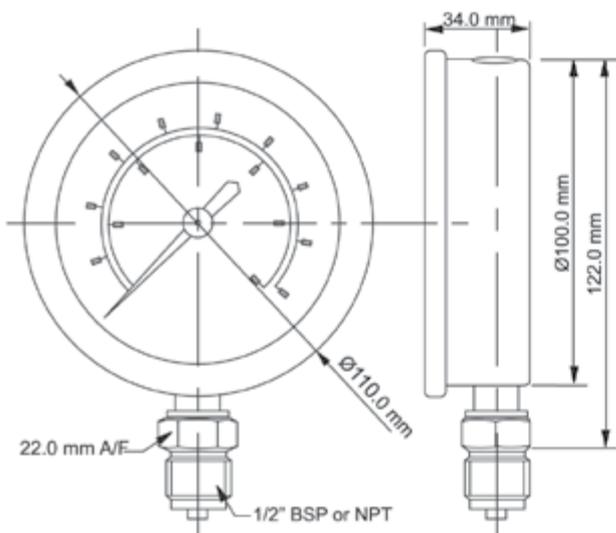
Ø63mm dial pressure gauge - bottom entry



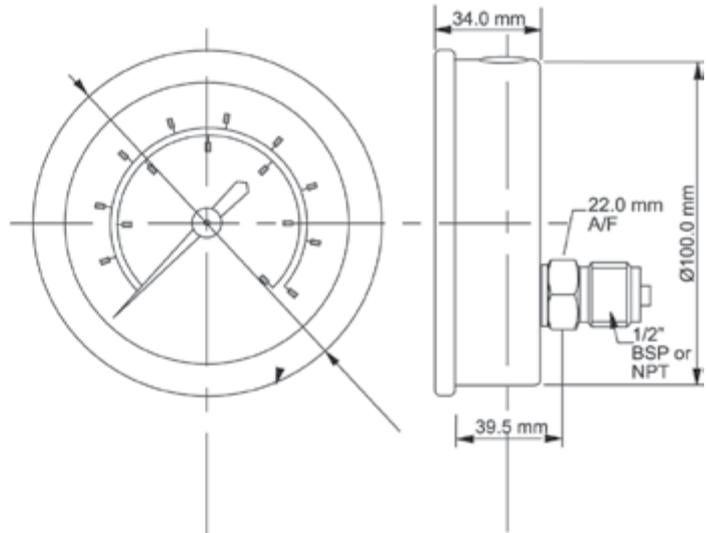
Ø63mm dial pressure gauge - back entry



Ø100mm dial pressure gauge - bottom entry



Ø100mm dial pressure gauge - back entry



Pressure

Measurement for life.



# Fillable stainless steel case pressure gauges - PG030

## Product numbers:

The following are our standard product numbers for stainless steel pressure gauges, 1/4" BSP and NPT connections, dry (fillable). To order glycerine filled pressure gauge from this range, substitute last "0" for "5", ie 37/201/0 becomes 37/201/5. To order pressure gauge with back flange, substitute last "0" for "6", ie 37/201/0 becomes 37/201/6. If gauge is required glycerine filled *and* with back flange, substitute last "0" for "7", ie 37/201/0 becomes 37/201/7. NB - Bottom entry gauges would be fitted with back flange, back entry gauges would be fitted with front flange. Special products can be supplied on request, for example, customer own branding, alternative connection, range, etc. Minimum order quantities apply. Please contact our sales team for further information.

## Product code matrix for glycerine filled or gauges with flange:

- Glycerine filled: substitute "0" for "5", ie 37/201/0 = 37/201/5
- Back flange gauge: substitute "0" for "6", ie 37/201/0 = 37/201/6
- Glycerine filled *and* back flange, substitute last "0" for "7", ie 37/201/0 = 37/201/7.

Ø50mm stainless steel pressure gauges:				
Range Bar & PSI	Bottom connection		Back connection	
	1/4" BSP	1/4" NPT	1/4" BSP	1/4" NPT
0 to 1	37/201/0	37/221/0	37/241/0	37/261/0
0 to 1.6	37/202/0	37/222/0	37/242/0	37/262/0
0 to 2.5	37/203/0	37/223/0	37/243/0	37/263/0
0 to 4	37/204/0	37/224/0	37/244/0	37/264/0
0 to 6	37/205/0	37/225/0	37/245/0	37/265/0
0 to 10	37/206/0	37/226/0	37/246/0	37/266/0
0 to 16	37/207/0	37/227/0	37/247/0	37/267/0
0 to 25	37/208/0	37/228/0	37/248/0	37/268/0
0 to 40	37/209/0	37/229/0	37/249/0	37/269/0
0 to 60	37/210/0	37/230/0	37/250/0	37/270/0
0 to 100	37/211/0	37/231/0	37/251/0	37/271/0
0 to 160	37/212/0	37/232/0	37/252/0	37/272/0
0 to 250	37/213/0	37/233/0	37/253/0	37/273/0
0 to 400	37/214/0	37/234/0	37/254/0	37/274/0
0 to 600	37/215/0	37/235/0	37/255/0	37/275/0
-1 to 0	37/216/0	37/236/0	37/256/0	37/276/0
-1 to 1.5	37/220/0	37/240/0	37/260/0	37/280/0
-1 to 3	37/217/0	37/237/0	37/257/0	37/277/0
-1 to 5	37/218/0	37/238/0	37/258/0	37/278/0
-1 to 9	37/219/0	37/239/0	37/259/0	37/279/0

Ø63mm stainless steel pressure gauges:				
Range Bar & PSI	Bottom connection		Back connection	
	1/4" BSP	1/4" NPT	1/4" BSP	1/4" NPT
0 to 1	37/501/0	37/521/0	37/541/0	37/561/0
0 to 1.6	37/502/0	37/522/0	37/542/0	37/562/0
0 to 2.5	37/503/0	37/523/0	37/543/0	37/563/0
0 to 4	37/504/0	37/524/0	37/544/0	37/564/0
0 to 6	37/505/0	37/525/0	37/545/0	37/565/0
0 to 10	37/506/0	37/526/0	37/546/0	37/566/0
0 to 16	37/507/0	37/527/0	37/547/0	37/567/0
0 to 25	37/508/0	37/528/0	37/548/0	37/568/0
0 to 40	37/509/0	37/529/0	37/549/0	37/569/0
0 to 60	37/510/0	37/530/0	37/550/0	37/570/0
0 to 100	37/511/0	37/531/0	37/551/0	37/571/0
0 to 160	37/512/0	37/532/0	37/552/0	37/572/0
0 to 250	37/513/0	37/533/0	37/553/0	37/573/0
0 to 400	37/514/0	37/534/0	37/554/0	37/574/0
0 to 600	37/515/0	37/535/0	37/555/0	37/575/0
-1 to 0	37/516/0	37/536/0	37/556/0	37/576/0
-1 to 1.5	37/520/0	37/540/0	37/560/0	37/580/0
-1 to 3	37/517/0	37/537/0	37/557/0	37/577/0
-1 to 5	37/518/0	37/538/0	37/558/0	37/578/0
-1 to 9	37/519/0	37/539/0	37/559/0	37/579/0

Ø100mm stainless steel pressure gauges:				
Range Bar & PSI	Bottom connection		Back connection	
	1/4" BSP	1/4" NPT	1/4" BSP	1/4" NPT
0 to 1	37/801/0	37/821/0	37/841/0	37/861/0
0 to 1.6	37/802/0	37/822/0	37/842/0	37/862/0
0 to 2.5	37/803/0	37/823/0	37/843/0	37/863/0
0 to 4	37/804/0	37/824/0	37/844/0	37/864/0
0 to 6	37/805/0	37/825/0	37/845/0	37/865/0
0 to 10	37/806/0	37/826/0	37/846/0	37/866/0
0 to 16	37/807/0	37/827/0	37/847/0	37/867/0
0 to 25	37/808/0	37/828/0	37/848/0	37/868/0
0 to 40	37/809/0	37/829/0	37/849/0	37/869/0
0 to 60	37/810/0	37/830/0	37/850/0	37/870/0
0 to 100	37/811/0	37/831/0	37/851/0	37/871/0
0 to 160	37/812/0	37/832/0	37/852/0	37/872/0
0 to 250	37/813/0	37/833/0	37/853/0	37/873/0
0 to 400	37/814/0	37/834/0	37/854/0	37/874/0
0 to 600	37/815/0	37/835/0	37/855/0	37/875/0
-1 to 0	37/816/0	37/836/0	37/856/0	37/876/0
-1 to 1.5	37/820/0	37/840/0	37/860/0	37/880/0
-1 to 3	37/817/0	37/837/0	37/857/0	37/877/0
-1 to 5	37/818/0	37/838/0	37/858/0	37/878/0
-1 to 9	37/819/0	37/839/0	37/859/0	37/879/0



## Flange product numbers:

Gauge diameter	Product number	
	Back flange	Front flange
50mm	39/321/0	39/324/0
63mm	39/322/0	39/325/0
100mm	39/327/0	39/326/0

## Calibration product numbers:

Calibration	No of points	Product number
UKAS	5pt	49/075/0
Traceable to National Standards	5pt	49/060/0

Other calibration types available on request



[brannan.co.uk](http://brannan.co.uk)

[sales@brannan.co.uk](mailto:sales@brannan.co.uk)



# PG035 - Stainless steel case contractor pressure gauges



## Product features:

- Stainless steel pressure gauge with bezel
- Flow restrictor
- Recalibration screw
- **Brannan** quality and accuracy
- Wide choice of pressure ranges
- Ideal with plumbing and HVAC installations
- Wide range of associated accessories available

## Product specifications:

Dial diameters	Ø115mm
Design	ASME B40.100
Safety category	0 - gauge without blow-out device ( according to EN-837)
Accuracy class	+/-1%, ASME Grade 1A
Ranges	30"Hg Vac through to 0 to 5000 psi
Case	Stainless steel
Bezel	Stainless steel
Connection	1/4" NPT brass bottom entry only
Window	Clear plastic
Pointer	Black aluminium
Filling	Dry
Working pressure	Steady: 75% full scale range Fluctuating: 60% full scale range Short time: full scale range
Operating temperature	Ambient: -20 to +60°C Medium: -20 to +60°C
Storage temperature	-40 to +60°C
Temperature effect	When temperature of the pressure element deviates from reference temperature of 20°C the maximum additional error is +/-0.4 per 10°C of the span rising and falling
Bourdon	Cu-Alloy C-type
Bourdon movement	Cu-Alloy
Protection	IP 43 (BS EN 60529:1992)
Calibration	UKAS certification, certificate traceable to recognised national standard or statement of conformity, if required
MOQ	Minimum order quantities apply. Please contact our Sales Team for further information.

## Product accessories:

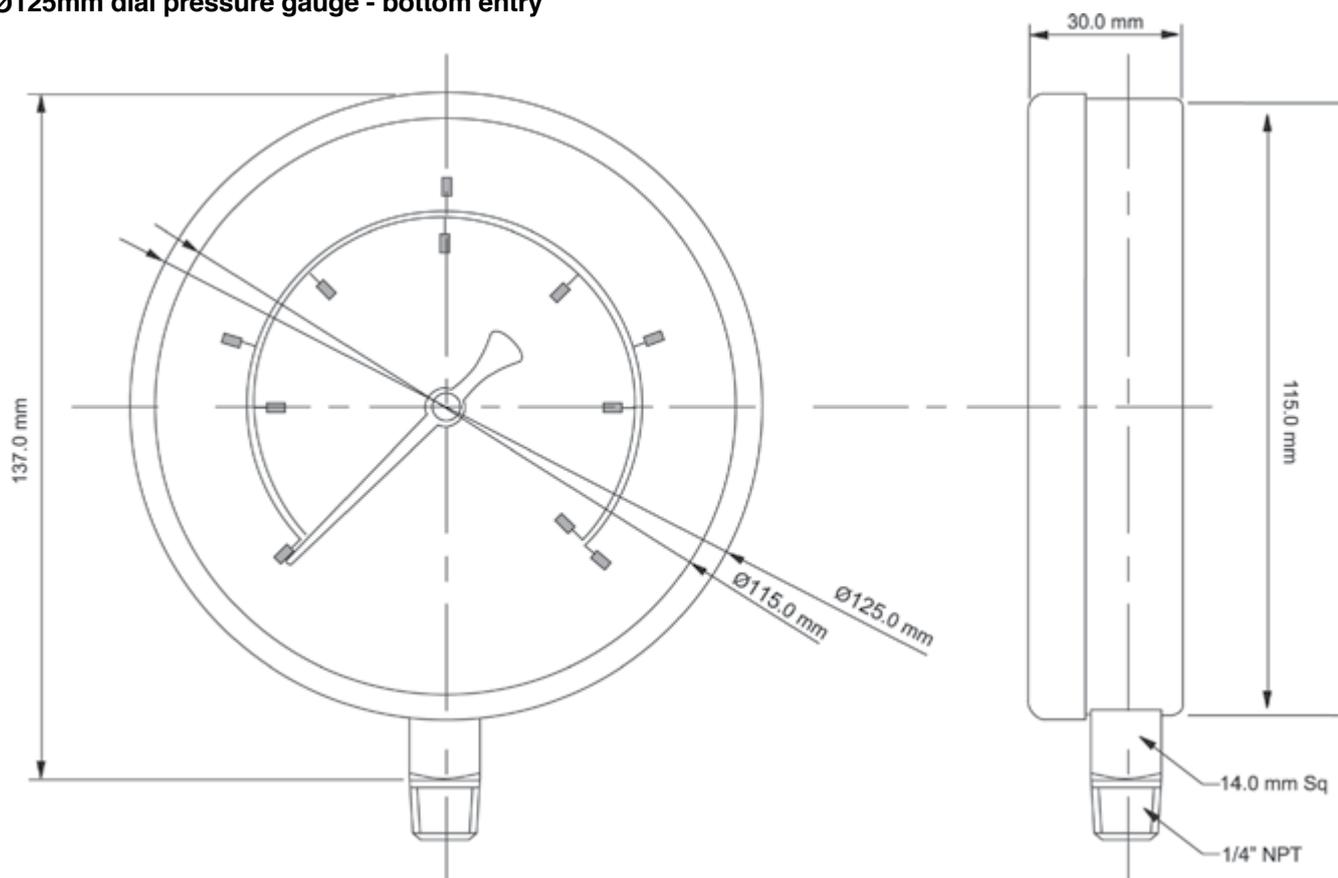
Please see accessories section of this catalogue for associated items for use with these gauges.

- Syphons
- Gauge cocks
- Adaptors
- Snubbers



## Product dimensions:

Ø125mm dial pressure gauge - bottom entry



## Product numbers:

The following are our standard product numbers. Special products can be supplied on request, for example, customer own branding, alternative connection, range, etc. Minimum order quantities apply. Please contact our sales team for further information.

Range	Product number
0 to 15 PSI & bar	35/790/0
0 to 30 PSI & bar	35/791/0
0 to 60 PSI & bar	35/792/0
0 to 100 PSI & bar	35/793/0
0 to 160 PSI & bar	35/794/0
0 to 200 PSI & bar	35/795/0
0 to 300 PSI & bar	35/796/0
0 to 400 PSI & bar	35/797/0
0 to 600 PSI & bar	35/798/0
0 to 1000 PSI & bar	35/799/0
0 to 3000 PSI & bar	35/800/0
0 to 5000 PSI & bar	35/801/0
30" Hg Vac	35/802/0
30"/0/30 PSI & bar	35/803/0
30"/0/60 PSI & bar	35/804/0
30"/0/100 PSI & bar	35/805/0
30"/0/160 PSI & bar	35/806/0
30"/0/200 PSI & bar	35/807/0
30"/0/300 PSI & bar	35/808/0

## Calibration product numbers:

Calibration	Number of points	Product number
UKAS	5pt	49/075/0
Traceable to national standards	5pt	49/060/0

Other calibration types available on request

# PG040 - Fully stainless steel pressure gauges



## Product features:

- Stainless steel internal parts for corrosive pressure media
- Flow restrictor
- Ingress Protection IP 67
- Micro adjustable pointer
- Highly corrosion resistant stainless steel, laser welded case
- Silicone filling available (glycerine filling also available for solid body instruments)
- Vibration and shock resistant mechanism
- Blow out disc
- Front or back flange available
- Wide choice of pressure ranges
- **Brannan** quality and accuracy
- For harsh and corrosive environments and pressure media
- Range of associated accessories available

## Product applications:

- Heating, ventilation, air-conditioning
- Food and beverage industry
- Pulp and paper industry
- Machine and apparatus construction
- Pumps, compressors, hydraulic presses
- High humidity installations
- Pneumatics
- Hydraulics
- Outdoor installations

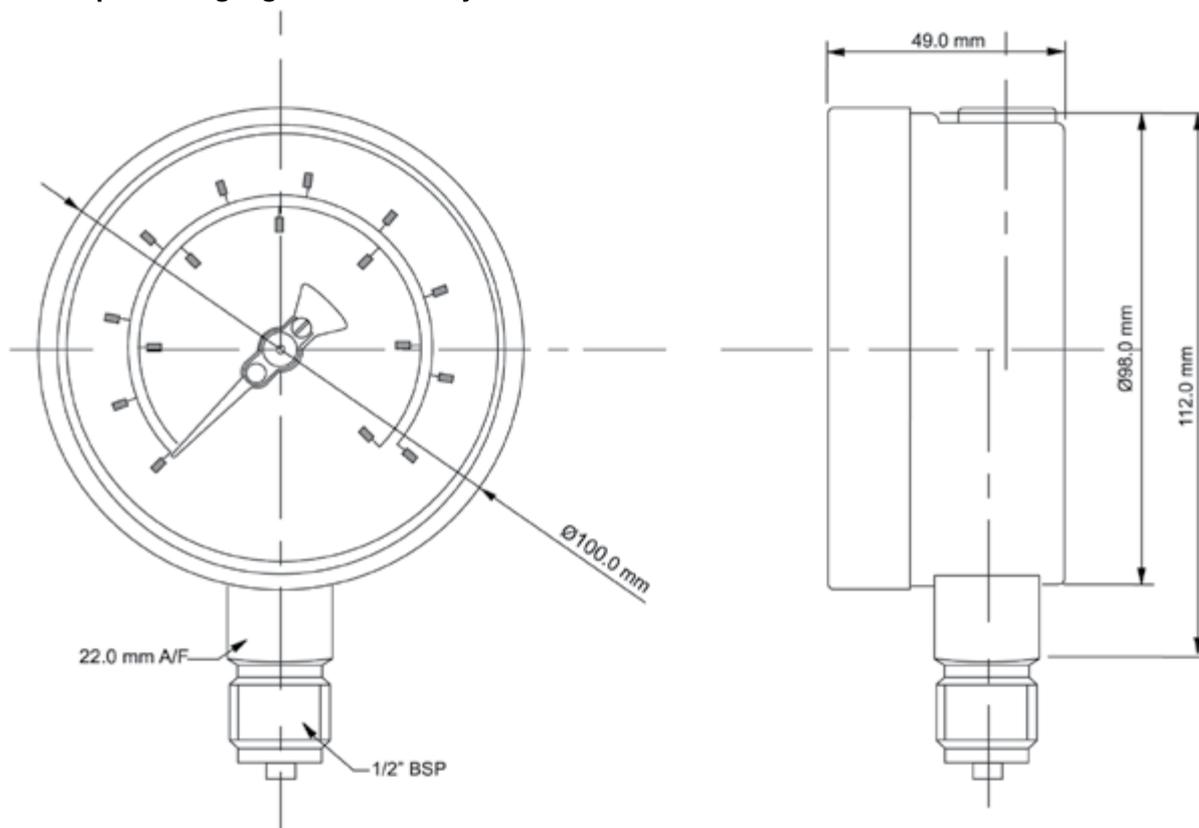
## Product specifications:

Dial diameters	Ø100mm
Design	BS EN 837
Safety category	S1 (blow-out device gauge)
Accuracy class	1.0
Ranges	0 to 1 bar & psi through to 0 to 25 bar & psi
Case	Stainless steel 304, laser welded
Connection	1/2" BSP or NPT bottom entry
Bezel	Stainless steel 304 bayonet bezel
Internals connection	Stainless steel 304 (316 on request)
Internals Tube	Stainless steel 316
Internals movement	Stainless steel 304
Window	Tempered glass
Pointer	Black aluminium and micro adjustable pointer
Filling	Dry
Working pressure	Steady: 75% full scale range Fluctuating: 60% full scale range Short time: full scale range
Operating temperature	Dry: -40 to +60°C (silicone filled: -20 to +60°C)
Storage temperature	-40 to +60°C
Temperature effect	When temperature of the pressure element deviates from reference temperature of 20°C the maximum additional error is +/-0.4 per 10°C of the span rising and falling
Ingress protection	IP 67
Calibration	UKAS certification, certificate traceable to recognised national standard or statement of conformity, if required
MOQ	Minimum order quantities apply. Please contact our Sales Team for further information.



## Product dimensions:

Ø100mm dial pressure gauge - bottom entry



## Product numbers:

The following are our standard product numbers. Special products can be supplied on request, for example, customer own branding, alternative connection, range, etc. Minimum order quantities apply. Please contact our sales team for further information.

## Calibration product numbers:

Calibration	Number of points	Product number
UKAS	5pt	49/075/0
Traceable to national standards	5pt	49/060/0

Other calibration types available on request

Range	Ø100mm Bottom connection	
	1/2" BSP	1/2" NPT
-1 to 0 bar & PSI	37/886/0	37/886/1
-1 to 3 bar & PSI	37/887/0	37/887/1
-1 to 5 bar & PSI	37/888/0	37/888/1
-1 to 9 bar & PSI	37/889/0	37/889/1
0 to 1 bar & PSI	37/890/0	37/890/1
0 to 2.5 bar & PSI	37/891/0	37/891/1
0 to 4 bar & PSI	37/892/0	37/892/1
0 to 6 bar & PSI	37/893/0	37/893/1
0 to 10 bar & PSI	37/894/0	37/894/1
0 to 16 bar & PSI	37/895/0	37/895/1
0 to 25 bar & PSI	37/896/0	37/896/1
0 to 40 bar & PSI	37/897/0	37/897/1
0 to 60 bar & PSI	37/898/0	37/898/1
0 to 100 bar & PSI	37/899/0	37/899/1
0 to 160 bar & PSI	37/885/0	37/885/1
0 to 400 bar & PSI	37/884/0	37/884/1
0 to 600 bar & PSI	37/883/0	37/883/1

## Product accessories:

Please see accessories section of this catalogue for associated items for use with these gauges.

- Syphons
- Gauge cocks
- Adaptors
- Snubbers





## Product features:

- Low pressure capsule gauge
- Low price commercial gauge
- **Brannan** quality and accuracy
- For dry indoor installations
- Wide range of associated accessories available
- UKAS calibration available

## Product applications:

- Heating, ventilation, air-conditioning
- Plumbing
- Compressors
- Air filters
- Pneumatics

## Product specifications:

<b>Dial diameters</b>	63mm & 100mm
<b>Design</b>	BS EN 837 - 3
<b>Accuracy class</b>	63mm: 2.5% / 100mm: 1.6%
<b>Ranges</b>	0 to 25 mbar through to 0 to 600 mbar
<b>Case</b>	Black steel
<b>Bezel</b>	Black steel (100mm only)
<b>Process connection</b>	1/8", 1/4", 3/8" & 1/2" BSP/NPT/BSPT (others available on request)
<b>Connection orientation</b>	Bottom, centre back
<b>Connection material</b>	Brass
<b>Measuring principle</b>	Capsule, brass
<b>Movement</b>	Cu-Alloy
<b>Window</b>	63mm: polycarbonate, snap fit / 100mm: glass
<b>Pointer</b>	Black aluminium
<b>Filling</b>	Dry
<b>Working pressure</b>	Steady: 75% full scale range Fluctuating: 60% full scale range Short time: full scale range
<b>Operating temperature</b>	Ambient: -20 to +60°C Medium: -20 to +60°C
<b>Storage temperature</b>	-40 to +60°C
<b>Temperature effect</b>	When temperature of the pressure element deviates from reference temperature of 20°C the maximum additional error is +/-0.6% per 10°C of the span rising and falling
<b>Protection</b>	IP 43 (BS EN 60529:1992)

Please contact our Sales Team for more information regarding capsule gauges.





## Product features:

- Low pressure capsule gauge
- SS 316 or brass wetted parts
- Ingress protection IP67/IP65
- Micro adjustable pointer
- Glycerine filling available
- **Brannan** quality and accuracy
- For harsh and corrosive environments and pressure media

## Product applications:

- Heating, ventilation, air-conditioning
- Food and beverage industry
- Pulp and paper industry
- Machine and apparatus construction
- Pumps, compressors, hydraulic presses
- High humidity installations
- Pneumatics
- Hydraulics
- Outdoor installations

## Product specifications:

<b>Dial diameters</b>	63mm, 100mm & 150mm
<b>Design</b>	BS EN 837 - 3
<b>Accuracy class</b>	63mm: 2.5% / 100mm & 160mm: 1.6%
<b>Ranges</b>	0 to 25 mbar through to 0 to 600 mbar & kPa
<b>Case</b>	Stainless steel 304
<b>Process connection</b>	1/8", 1/4", 3/8" & 1/2" BSP/NPT/BSPT (others available on request)
<b>Connection orientation</b>	Bottom & centre back
<b>Connection material</b>	Stainless steel 316 (laser welded to case) or brass
<b>Bezel</b>	Stainless steel 304 bayonet bezel
<b>Measuring principle</b>	Capsule, stainless steel 316 or brass
<b>Movement</b>	Stainless steel 304
<b>Window</b>	Tempered safety glass (laminated safety glass optional)
<b>Pointer</b>	Black aluminium and micro adjustable pointer
<b>Filling</b>	Dry or glycerine
<b>Working pressure</b>	Steady: 75% full scale range Fluctuating: 60% full scale range Short time: full scale range
<b>Operating temperature</b>	Ambient: silicone/dry: -40 to +60°C, glycerine: -20 to +60°C Medium: silicone/dry: -40 to +100°C, glycerine: -20 to +60°C
<b>Storage temperature</b>	-40 to +60°C
<b>Temperature effect</b>	When temperature of the pressure element deviates from reference temperature of 20°C the maximum additional error is +/-0.6 per 10°C of the span rising and falling
<b>Ingress protection</b>	Stainless steel connection: IP 67 / brass connection: IP65

Please contact our Sales Team for more information regarding capsule gauges.

# PG050 - Phenolic pressure gauges



**Product features:**

- High level of operator safety
- Durable and corrosion resistant case
- Glycerine can be filled in the field
- Micro adjustable pointer
- **Brannan** quality and accuracy
- Stainless steel or brass internals available
- Vibration and shock resistant mechanism
- For harsh and corrosive environments

**Product specifications:**

Dial diameters	Ø115mm
Design	BS EN 837-1
Pressure range	30" Hg VAC through 15000 psi
Accuracy	+/- 1% full scale
Case & ring	Phenolic case and ring, bayonet type, 304mm stainless steel dull or polished ring
Connection	304 stainless steel or brass, 1/4" or 1/2" BSP bottom entry (NPT available on request)
Window	Tempered glass with O ring seal
Pointer	Aluminium
Dial	Aluminium
Filling	Dry
Bourdon tube	316 stainless steel or phosphor bronze
Bourdon movement	304 stainless steel or brass
Calibration	UKAS certification, certificate traceable to recognised national standard or statement of conformity, if required
MOQ	Minimum order quantities apply. Please contact our Sales Team for further information

**Product accessories:**

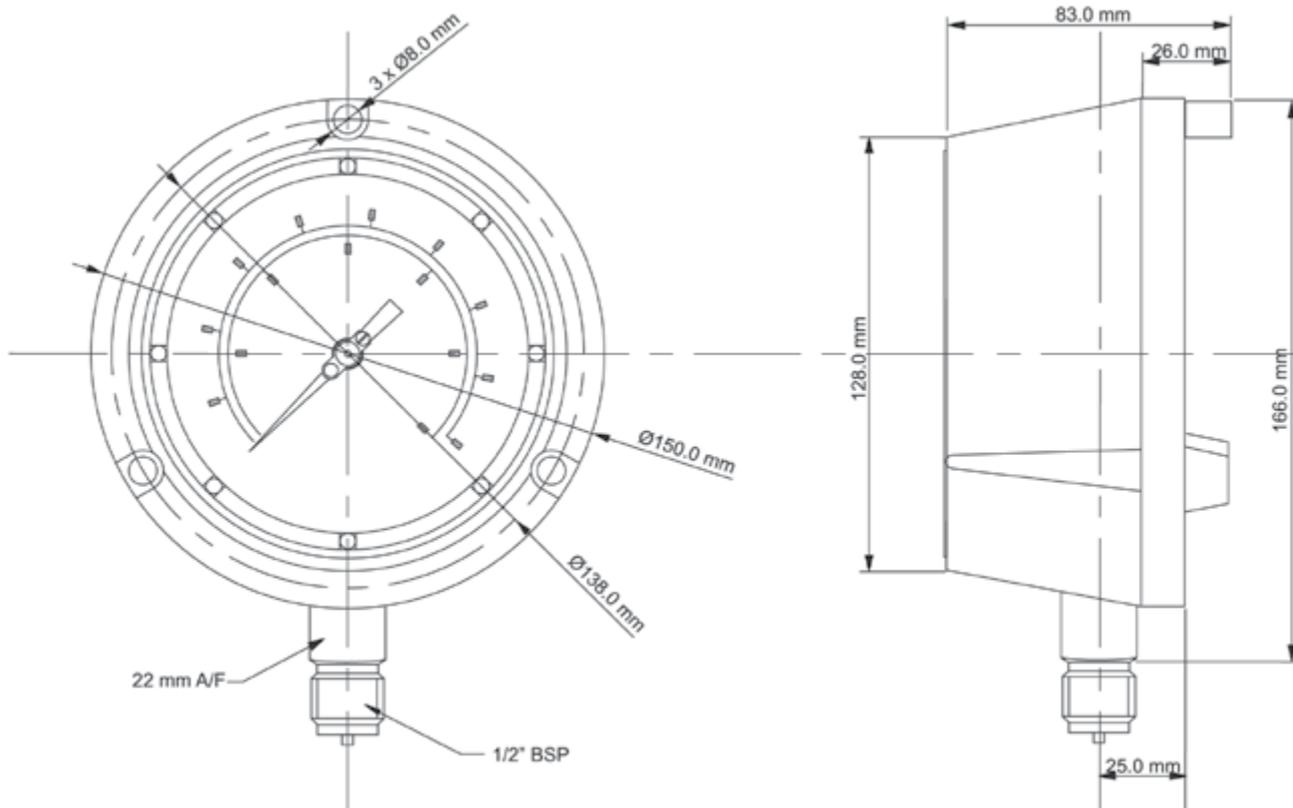
Please see accessories section of this catalogue for associated items for use with these gauges.

- Syphons
- Gauge cocks
- Adaptors
- Snubbers



## Product dimensions:

Ø115mm dial pressure gauge - bottom entry



## Product numbers:

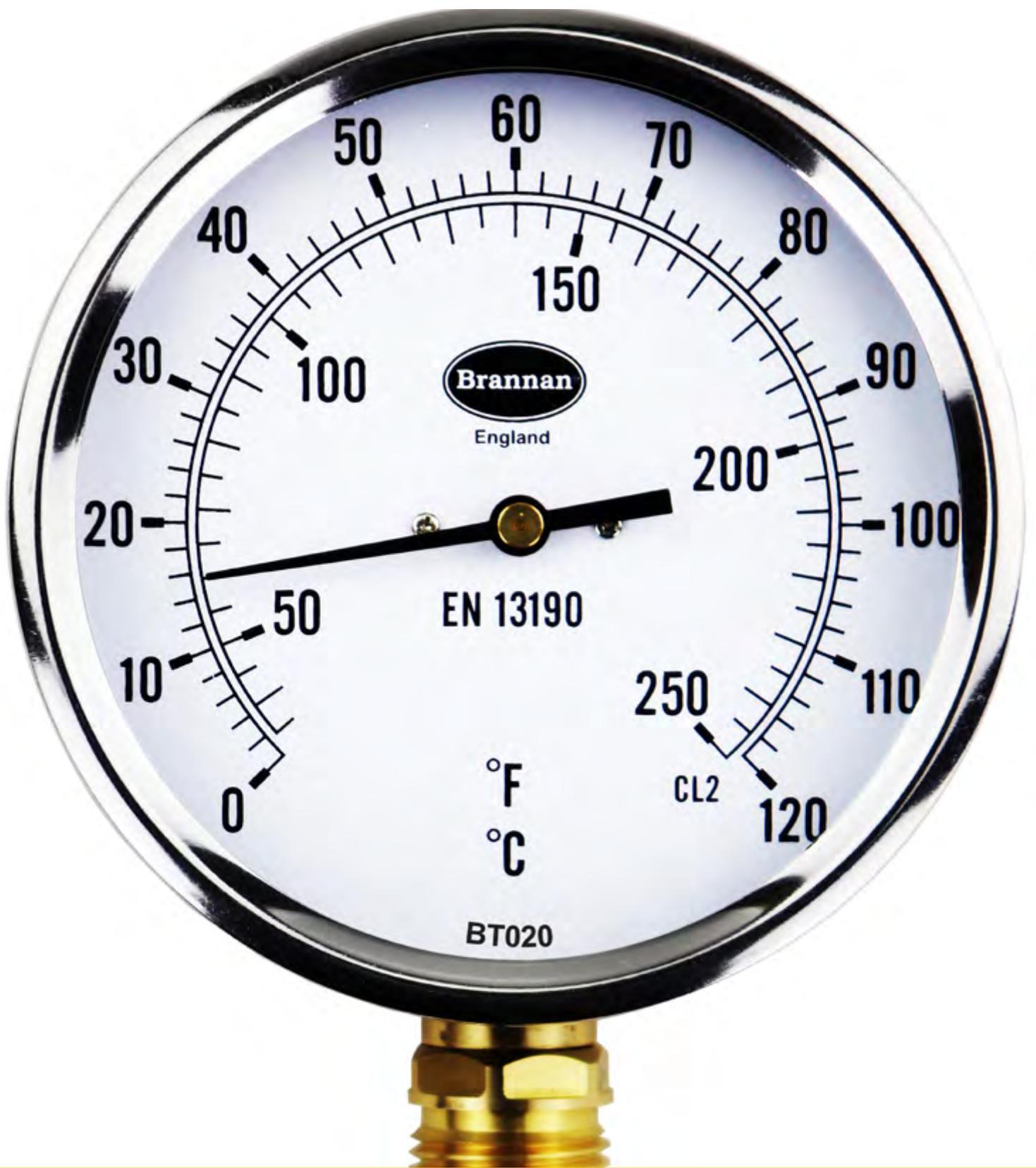
Please contact our sales team for further information regarding ranges, connections, etc.

Range	Brass connection		Stainless steel connection	
	1/4" BSP	1/2" BSP	1/4" BSP	1/2" BSP
0 to 10 bar & PSI	36/100/1	36/100/2	36/120/1	36/120/2
0 to 16 bar & PSI	36/101/1	36/101/2	36/121/1	36/121/2
0 to 25 bar & PSI	36/102/1	36/102/2	36/122/1	36/122/2
0 to 40 bar & PSI	36/103/1	36/103/2	36/123/1	36/123/2
0 to 60 bar & PSI	36/104/1	36/104/2	36/124/1	36/124/2

## Calibration product numbers:

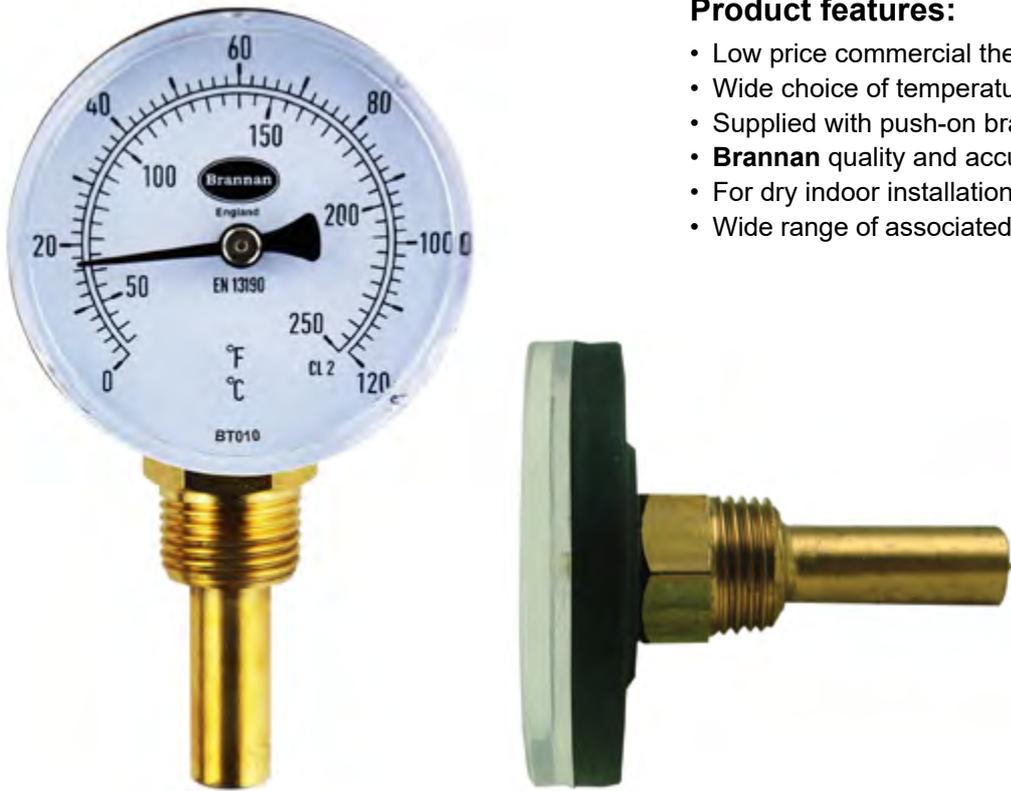
Calibration	Number of points	Product number
UKAS	5pt	49/075/0
Traceable to national standards	5pt	49/060/0

Other calibration types available on request



# Temperature





## Product features:

- Low price commercial thermometer
- Wide choice of temperature ranges and stem lengths
- Supplied with push-on brass pocket
- **Brannan** quality and accuracy
- For dry indoor installations
- Wide range of associated accessories available

## Product specifications:

Dial diameter	Ø63mm
Design	BS EN 13190
Accuracy class	2
Ranges	-20 to +60°C&F through to 0 to +160°C&F
Case	Plastic
Connection	1/2" BSP brass push fit, bottom or back (NPT or BSPT available on request)
Stem length	50mm through to 300mm
Sensor mechanism	Standard bimetal coil
Window	PMMA
Pointer	Black plastic
Filling	Dry
Operating temperature	-40 to +80°C
Storage temperature	-40 to +60°C
Protection	IP 54 (BS EN 60529:1992)
Calibration	UKAS certification, certificate traceable to recognised national standard or statement of conformity, if required

## Product accessories:

Please see accessories section of this catalogue for associated items for use with these thermometers.

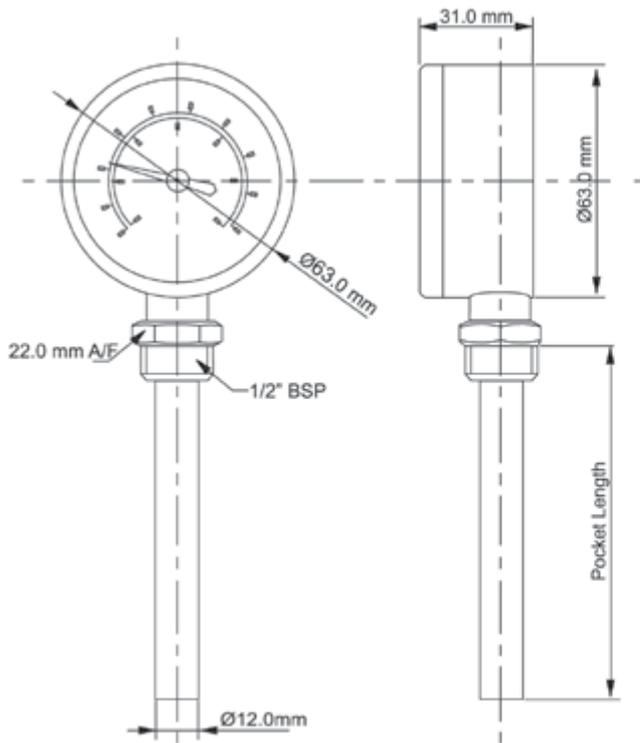
- Pockets
- Self sealing test plugs



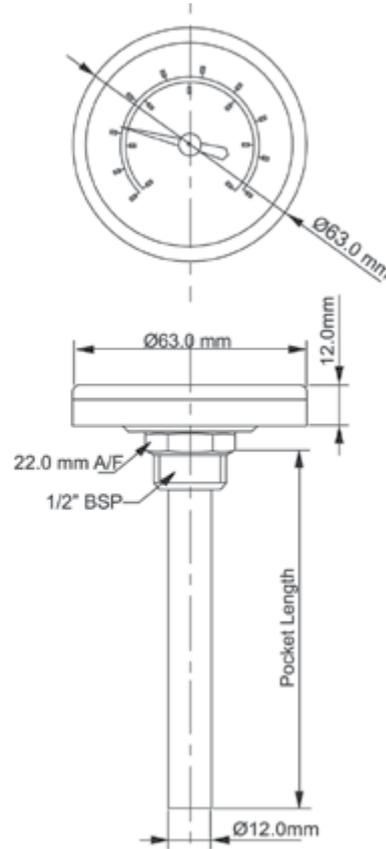
# BT010 - Black case bimetal dial thermometers

## Product dimensions:

Dial thermometer - bottom entry



Dial thermometer - back entry



## Product numbers:

The following are our standard product numbers. Special products can be supplied on request, for example, customer own branding, alternative connection, range, etc. Minimum order quantities apply. Please contact our sales team for further information.

Ø63mm bottom connection						
Range	50mm pocket	100mm pocket	150mm pocket	200mm pocket	250mm pocket	300mm pocket
-20 to +60°C&F	32/428/0	32/448/0	32/468/0	32/478/0	32/488/0	32/498/0
0 to +120°C&F	32/421/0	32/441/0	32/461/0	32/471/0	32/481/0	32/491/0
0 to +160°C&F	32/424/0	32/444/0	32/464/0	32/474/0	32/484/0	32/494/0
Ø63mm back connection						
-20 to +60°C&F	31/428/0	31/448/0	31/468/0	31/478/0	31/488/0	31/498/0
0 to +120°C&F	31/421/0	31/441/0	31/461/0	31/471/0	31/481/0	31/491/0
0 to +160°C&F	31/424/0	31/444/0	31/464/0	31/474/0	31/484/0	31/494/0

## Calibration product numbers:

Calibration	Number of points	Product number
UKAS	3pt	49/070/0
Traceable to national standards	1pt	49/099/0
	3pt	49/101/0
	5pt	49/105/0





## Product features:

- Thermometer with stainless steel bezel and brass stem
- Wide choice of temperature ranges and stem lengths
- Supplied with push-on brass pocket
- **Brannan** quality and accuracy
- Personalised instrumentation available on request
- For dry indoor installations
- Wide range of associated accessories available

## Standard product specifications

<b>Dial diameters</b>	Ø80mm & 100mm
<b>Design</b>	BS EN 13190
<b>Accuracy class</b>	2
<b>Ranges</b>	-20 to +60°C&F through to 0 to +250°C&F
<b>Case</b>	Black steel
<b>Bezel</b>	Stainless steel - rolled
<b>Connection</b>	1/2" BSP/NPT brass push fit, bottom or back entry (BSPT or wider range of NPT available on request)
<b>Stem length</b>	Ø80mm: 50mm & 100mm Ø100mm: 50mm, 100mm & 150mm (other stem lengths on request)
<b>Sensor mechanism</b>	Standard bimetal coil
<b>Window</b>	Acrylic
<b>Pointer</b>	Black plastic
<b>Filling</b>	Dry
<b>Operating temperature</b>	-40 to +80°C
<b>Storage temperature</b>	-40 to +60°C
<b>Protection</b>	IP 54 (BS EN 60529:1992)
<b>Calibration</b>	UKAS certification, certificate traceable to recognised national standard or statement of conformity, if required

## Product accessories:

Please see accessories section of this catalogue for associated items for use with these thermometers.

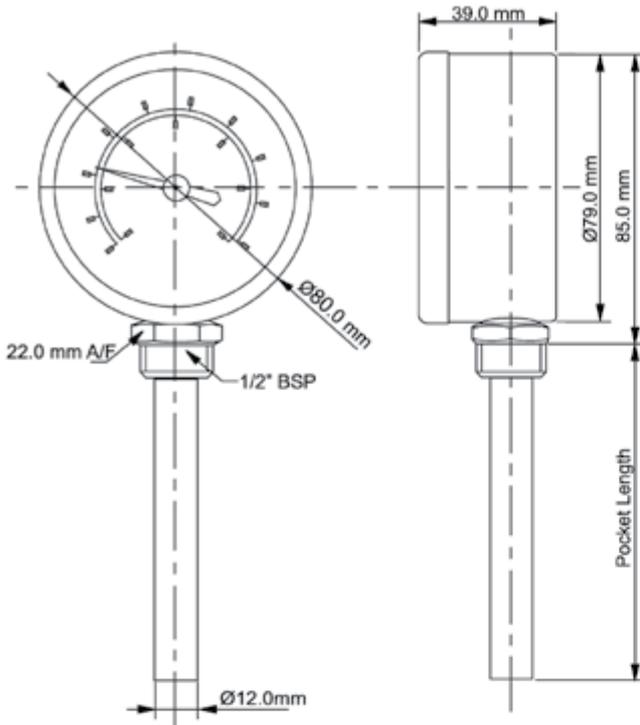
- Pockets
- Self sealing test plugs



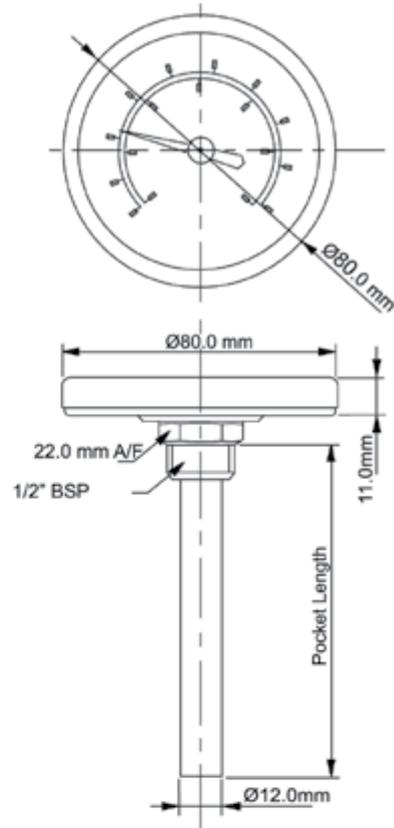
# BT020 - Black case bimetal dial thermometer with bezel

## Product dimensions:

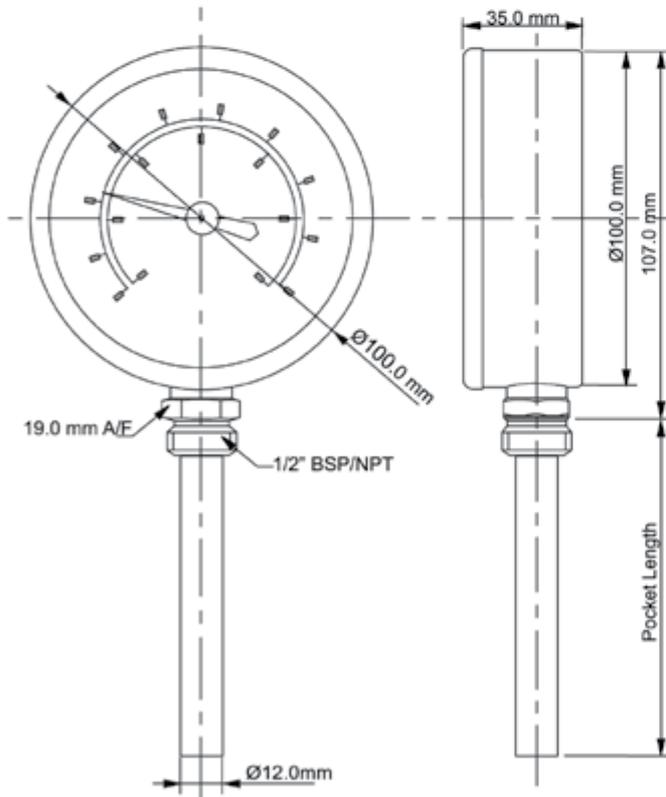
Ø80mm dial thermometer - bottom entry



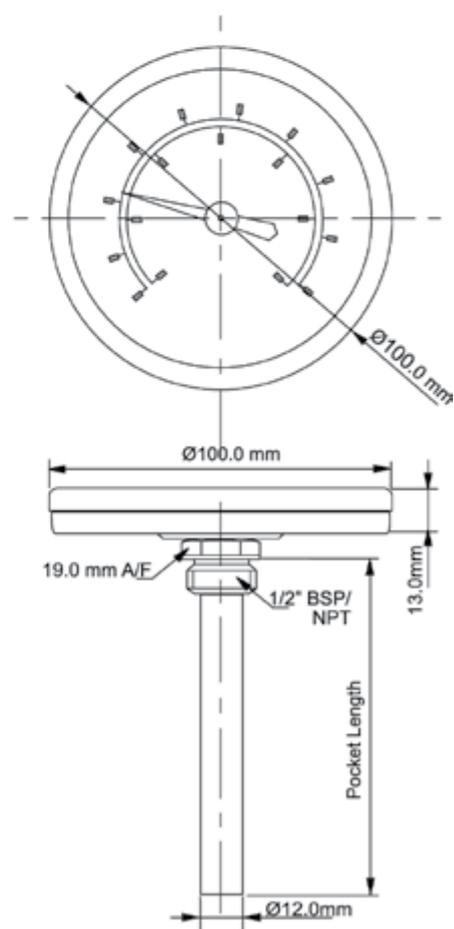
Ø80mm dial thermometer - back entry



Ø100mm dial thermometer - bottom entry



Ø100mm dial thermometer - back entry



## Product numbers:

The following are our standard product numbers. Special products can be supplied on request, for example, customer own branding, alternative connection, range, etc. Minimum order quantities apply. Please contact our sales team for further information.

Ø80mm dial thermometers				
Range	Bottom connection		Back connection	
	50mm pocket	100mm pocket	50mm pocket	100mm pocket
-20 to +60°C&F	32/524/0	32/544/0	31/524/0	31/544/0
0 to +120°C&F	32/521/0	32/541/0	31/521/0	31/541/0
0 to +160°C&F	32/528/0	32/548/0	31/525/0	31/545/0

Ø100mm dial thermometers						
Range	Bottom connection			Back connection		
	50m pocket	100m pocket	150mm pocket	50mm pocket	100mm pocket	150mm pocket
-20 to +60°C&F	32/624/0	32/644/0	32/664/0	31/624/0	31/644/0	31/664/0
0 to +120°C&F	32/621/0	32/641/0	32/661/0	31/621/0	31/641/0	31/661/0
0 to +160°C&F	32/628/0	32/648/0	32/668/0	31/625/0	31/645/0	31/665/0

Ø100mm - 1/2" NPT		
Range	Bottom connection	
	50mm pocket	100mm pocket
-20 to +60°C&F	32/624/3	32/644/3
0 to +120°C&F	32/621/3	32/641/3

## Calibration product numbers:

Calibration	Number of points	Product number
UKAS	3pt	49/070/0
Traceable to national standards	1pt	49/099/0
	3pt	49/101/0
	5pt	49/105/0

## Personalised instrumentation

As an additional service, we are able to offer full, four colour, logo print on Brannan gauges to personalise your products. Our state of the art printing process enables us to work with you to provide a branded product to enhance your instruments. This service is provided at our UK manufacturing facility and so enables a rapid turnaround (ex-stock gauges). Please contact our sales team for details.



# XT020 - Black case expansion dial thermometers with bezel



## Product features:

- Thermometer with stainless steel bezel and brass stem
- High quality liquid expansion measuring system
- Wide choice of temperature ranges and stem lengths
- Supplied complete with brass pocket
- **Brannan** quality and accuracy
- Personalised instrumentation available on request
- For dry indoor installations
- Wide range of associated accessories available

## Product specifications:

Dial diameters	Ø100mm & 150mm
Lagging extension	50mm (100mm lagging extension available on request)
Design	BS EN 13190
Accuracy class	2
Ranges	-20 to +60°C&F through to 0 to +200°C&F (0 to +250°C only)
Case	Black steel
Bezel	430 stainless steel
Connection	1/2" BSP bottom or back entry
Stem lengths	100mm, 150mm & 200mm
Pockets	50mm, 100mm & 150mm brass (SS 304 or SS316 available on request)
Sensor mechanism	Liquid expansion (kerosene filling)
Window	PMMA
Pointer	Black plastic
Filling	Dry
Operating temperature	0 to +40°C (higher or lower ambient temperatures can cause indication errors)
Storage temperature	-40 to +60°C
Protection	IP 54 (BS EN 60529:1992)
Calibration	UKAS certification, certificate traceable to recognised national standard or statement of conformity, if required

## Product accessories:

Please see accessories section of this catalogue for associated items for use with these thermometers.

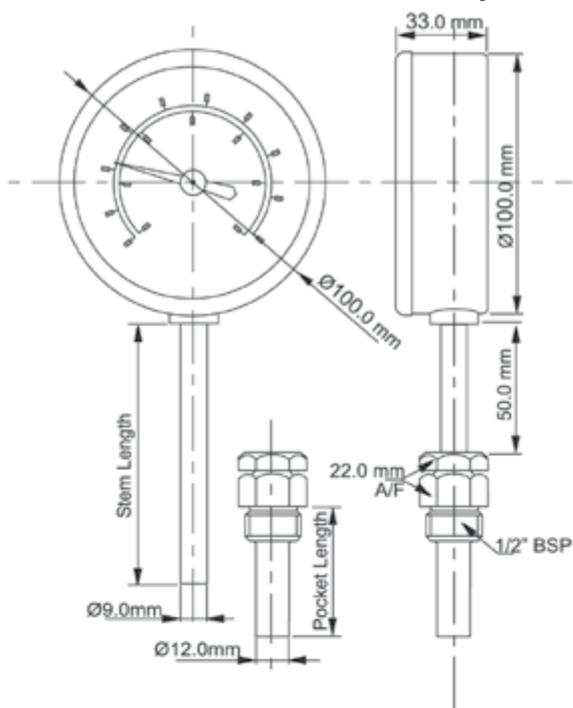
- Pockets
- Self sealing test plugs



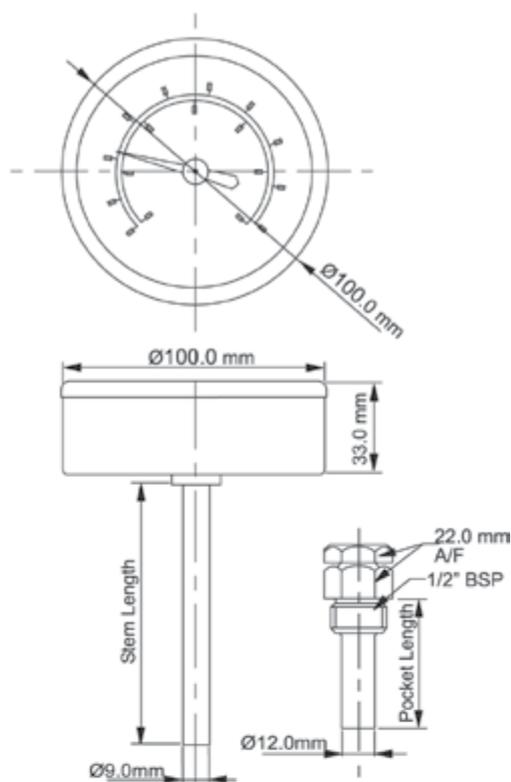
# Black case expansion dial thermometers with bezel - XT020

## Product dimensions:

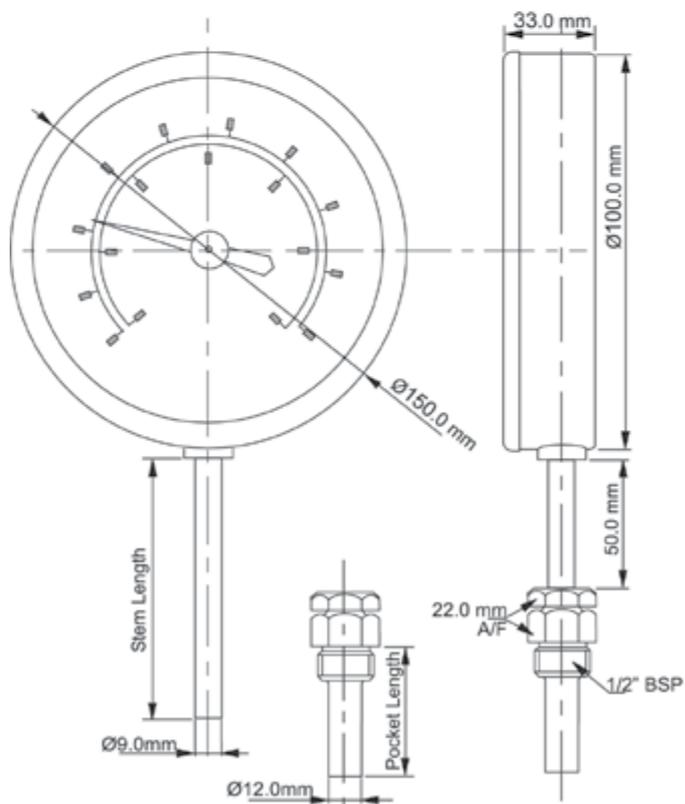
Ø100mm dial thermometer - bottom entry



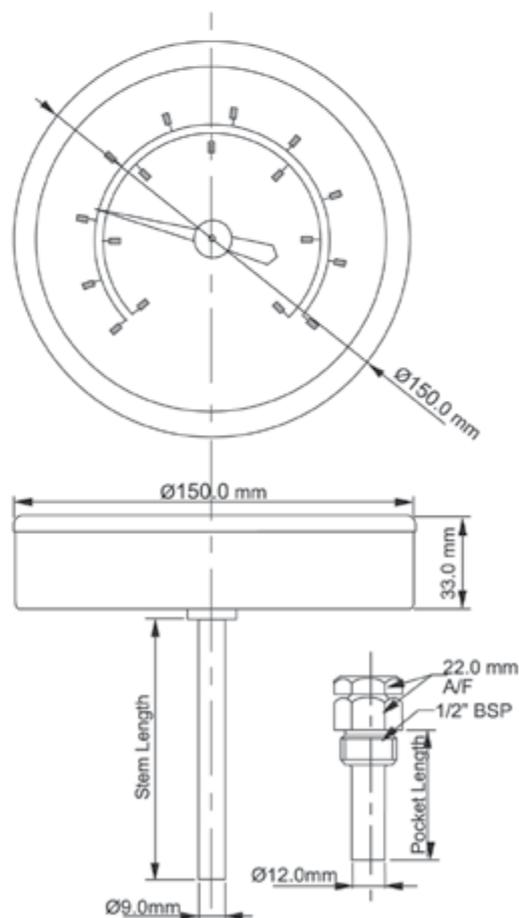
Ø100mm dial thermometer - back entry



Ø150mm dial thermometer - bottom entry



Ø150mm dial thermometer - back entry



# XT020 - Black case expansion dial thermometers with bezel

## Product numbers:

The following are our standard product numbers. Special products can be supplied on request, for example, customer own branding, alternative connection, range, etc. Minimum order quantities apply. Please contact our sales team for further information.

Ø100mm dial thermometers						
Range	Bottom connection			Back connection		
	100mm stem 50mm pocket	150mm stem 100mm pocket	200mm stem 150mm pocket	100mm stem 50mm pocket	150mm stem 100mm pocket	200mm stem 150mm pocket
-40 to +40°C only	97/621/0	97/641/0	97/661/0	96/621/0	96/641/0	96/661/0
-40 to +40°C&F	97/622/0	97/642/0	97/662/0	96/622/0	96/642/0	96/662/0
-20 to +60°C only	97/623/0	97/643/0	97/663/0	96/623/0	96/643/0	96/663/0
-20 to +60°C&F	97/624/0	97/644/0	97/664/0	96/624/0	96/644/0	96/664/0
0 to +120°C only	97/625/0	97/645/0	97/665/0	96/625/0	96/645/0	96/665/0
0 to +120°C&F	97/626/0	97/646/0	97/666/0	96/626/0	96/646/0	96/666/0
0 to +160°C only	97/627/0	97/647/0	97/667/0	96/627/0	96/647/0	96/667/0
0 to +160°C&F	97/628/0	97/648/0	97/668/0	96/628/0	96/648/0	96/668/0
0 to +200°C&F	97/630/0	97/650/0	97/671/0	96/630/0	96/650/0	96/670/0
0 to +250°C only	97/629/0	97/649/0	97/670/0	96/629/0	96/649/0	96/669/0

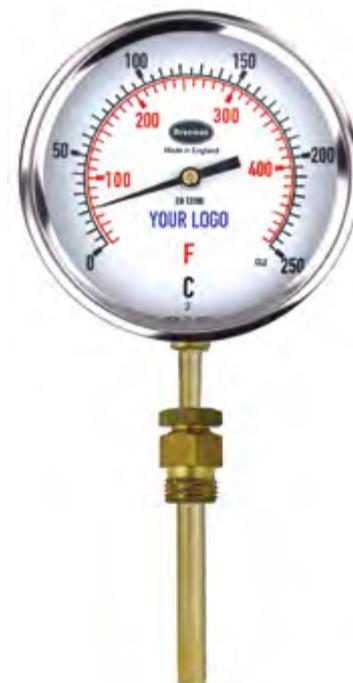
Ø150mm dial thermometers						
Range	Bottom connection			Back connection		
	100mm stem 50mm pocket	150mm stem 100mm pocket	200mm stem 150mm pocket	100mm stem 50mm pocket	150mm stem 100mm pocket	200mm stem 150mm pocket
-40 to +40°C only	97/921/0	97/941/0	97/961/0	96/921/0	96/941/0	96/961/0
-40 to +40°C&F	97/922/0	97/942/0	97/962/0	96/922/0	96/942/0	96/962/0
-20 to +60°C only	97/923/0	97/943/0	97/963/0	96/923/0	96/943/0	96/963/0
-20 to +60°C&F	97/924/0	97/944/0	97/964/0	96/924/0	96/944/0	96/964/0
0 to +120°C only	97/925/0	97/945/0	97/965/0	96/925/0	96/945/0	96/965/0
0 to +120°C&F	97/926/0	97/946/0	97/966/0	96/926/0	96/946/0	96/966/0
0 to +160°C only	97/927/0	97/947/0	97/967/0	96/927/0	96/947/0	96/967/0
0 to +160°C&F	97/928/0	97/948/0	97/968/0	96/928/0	96/948/0	96/968/0
0 to +200°C&F	97/929/0	97/949/0	97/969/0	96/929/0	96/949/0	96/969/0
0 to +250°C only	97/930/0	97/950/0	97/970/0	96/930/0	96/950/0	96/970/0

## Calibration product numbers:

Calibration	Number of points	Product number
UKAS	3pt	49/070/0
Traceable to national standards	1pt	49/099/0
	3pt	49/101/0
	5pt	49/105/0

## Personalised instrumentation

As an additional service, we are able to offer full, four colour, logo print on Brannan gauges to personalise your products. Our state of the art printing process enables us to work with you to provide a branded product to enhance your instruments. This service is provided at our UK manufacturing facility and so enables a rapid turnaround (ex-stock gauges). Please contact our sales team for details.





## Product features:

- Thermometer with stainless steel bezel and capillary stem
- High quality liquid expansion measuring system
- 150mm dials with back flange for surface mounting and 100mm dials with choice of back flange or front flange for panel mounting.
- Plastic coated bronze or full copper capillary (dependant on temperature range)
- Supplied complete with brass pocket
- Choice of temperature ranges and stem lengths
- **Brannan** quality and accuracy
- Personalised instrumentation available on request
- For dry indoor installations
- Wide range of associated accessories available

## Product specifications:

<b>Dial diameters</b>	Ø100mm & 150mm
<b>Design</b>	BS EN 13190
<b>Accuracy class</b>	2
<b>Ranges</b>	-20 to +60°C&F through to 0 to +250°C&F
<b>Case</b>	Black steel
<b>Bezel</b>	304 stainless steel
<b>Connection</b>	1/2" BSP bottom connection with back flange or back connection with front flange
<b>Stem lengths</b>	75mm, 150mm & 200mm
<b>Pockets</b>	50mm, 100mm & 150mm Brass (SS 304 or SS316 available on request)
<b>Capillary</b>	1.5m, 3m & 5m Ranges <+200°C: plastic coated bronze. Ranges >+200°C: full copper capillary
<b>Sensor mechanism</b>	Liquid expansion (kerosene filling)
<b>Window</b>	PMMA
<b>Pointer</b>	Black plastic
<b>Filling</b>	Dry
<b>Operating temperature</b>	0 to +40°C (higher or lower ambient temperatures can cause indication errors)
<b>Storage temperature</b>	-40 to +60°C
<b>Protection</b>	IP 54 (BS EN 60529:1992)
<b>Calibration</b>	UKAS certification, certificate traceable to recognised national standard or statement of conformity, if required

## Product accessories:

Please see accessories section of this catalogue for associated items for use with these thermometers.

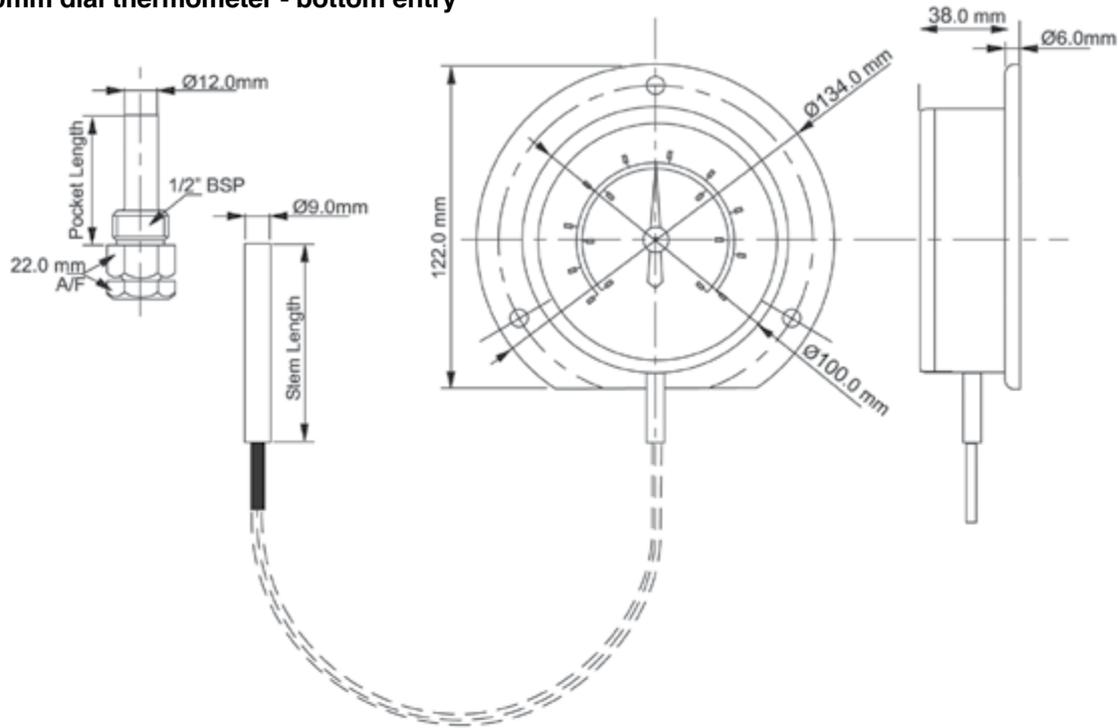
- Pockets
- Self sealing test plugs



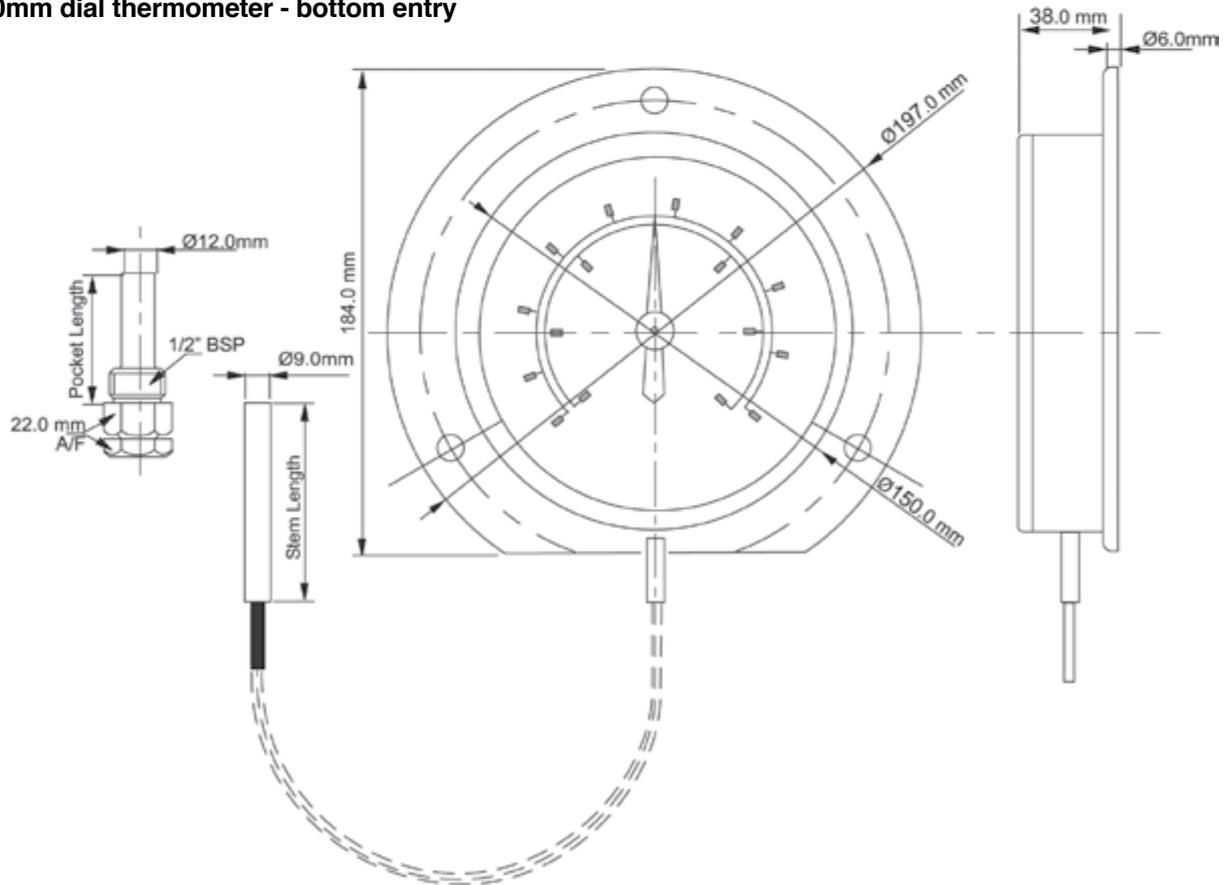
# XT025 - Black case expansion dial thermometers with capillary

## Product dimensions:

### Ø100mm dial thermometer - bottom entry



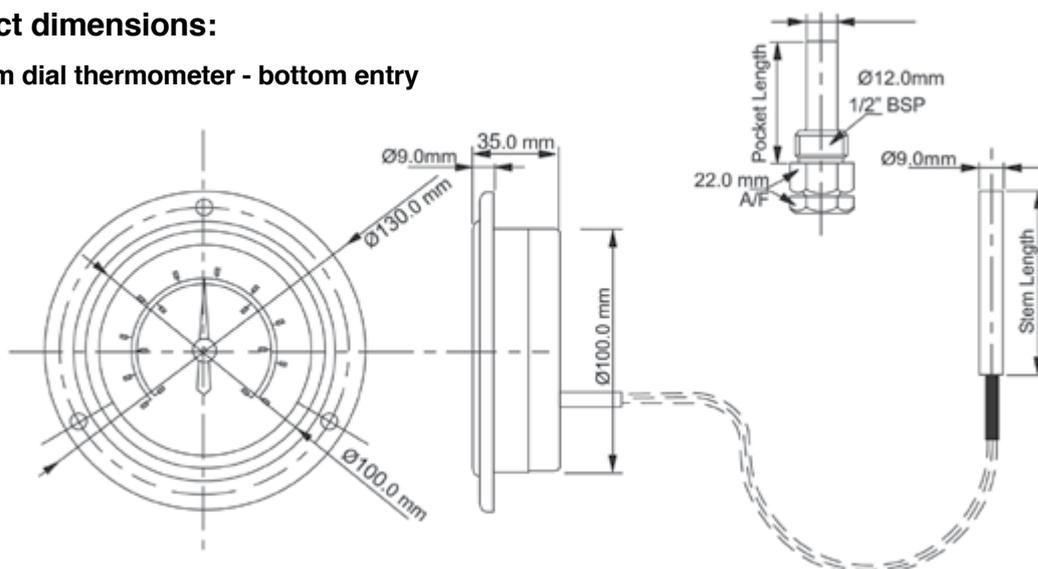
### Ø150mm dial thermometer - bottom entry



# Black case expansion dial thermometers with capillary - XT025

## Product dimensions:

### Ø100mm dial thermometer - bottom entry



## Product numbers:

The following are our standard product numbers. Special products can be supplied on request, for example, customer own branding, alternative connection, range, etc. Minimum order quantities apply. Please contact our sales team for further information.

Ø100mm dials - bottom entry (with back flange)									
Range	1.5m capillary			3m capillary			5m capillary		
	75mm stem 50mm pocket	150mm stem 100mm pocket	200mm stem 150mm pocket	75mm stem 50mm pocket	150mm stem 100mm pocket	200mm stem 150mm pocket	75mm stem 50mm pocket	150mm stem 100mm pocket	200mm stem 150mm pocket
-40 to +40°C only	91/621/0	91/621/1	91/621/2	91/631/0	91/631/1	91/631/2	91/651/0	91/651/1	91/651/2
-20 to +60°C&F	91/624/0	91/624/1	91/624/2	91/634/0	91/634/1	91/634/2	91/654/0	91/654/1	91/654/2
0 to +120°C&F	91/626/0	91/626/1	91/626/2	91/636/0	91/636/1	91/636/2	91/656/0	91/656/1	91/656/2
0 to +160°C&F	91/627/0	91/627/1	91/627/2	91/637/0	91/637/1	91/637/2	91/657/0	91/657/1	91/657/2
0 to +250°C&F	91/628/0	91/628/1	91/628/2	91/638/0	91/638/1	91/638/2	91/658/0	91/658/1	91/658/2

Ø100mm dials - back entry (with back flange)									
Range	1.5m capillary			3m capillary			5m capillary		
	75mm stem 50mm pocket	150mm stem 100mm pocket	200mm stem 150mm pocket	75mm stem 50mm pocket	150mm stem 100mm pocket	200mm stem 150mm pocket	75mm stem 50mm pocket	150mm stem 100mm pocket	200mm stem 150mm pocket
-40 to +40°C only	92/621/0	92/621/1	92/621/2	92/631/0	92/631/1	92/631/2	92/651/0	92/651/1	92/651/2
-20 to +60°C&F	92/624/0	92/624/1	92/624/2	92/634/0	92/634/1	92/634/2	92/654/0	92/654/1	92/654/2
0 to +120°C&F	92/626/0	92/626/1	92/626/2	92/636/0	92/636/1	92/636/2	92/656/0	92/656/1	92/656/2
0 to +160°C&F	92/627/0	92/627/1	92/627/2	92/637/0	92/637/1	92/637/2	92/657/0	92/657/1	92/657/2
0 to +250°C&F	92/628/0	92/628/1	92/628/2	92/638/0	92/638/1	92/638/2	92/658/0	92/658/1	92/658/2

Ø150mm dials - bottom entry (with back flange)									
Range	1.5m capillary			3m capillary			5m capillary		
	75mm stem 50mm pocket	150mm stem 100mm pocket	200mm stem 150mm pocket	75mm stem 50mm pocket	150mm stem 100mm pocket	200mm stem 150mm pocket	75mm stem 50mm pocket	150mm stem 100mm pocket	200mm stem 150mm pocket
-40 to +40°C only	91/921/0	91/921/1	91/921/2	91/931/0	91/931/1	91/931/2	91/951/0	91/951/1	91/951/2
-20 to +60°C&F	91/924/0	91/924/1	91/924/2	91/934/0	91/934/1	91/934/2	91/954/0	91/954/1	91/954/2
0 to +120°C&F	91/926/0	91/926/1	91/926/2	91/936/0	91/936/1	91/936/2	91/956/0	91/956/1	91/956/2
0 to +160°C&F	91/927/0	91/927/1	91/927/2	91/937/0	91/937/1	91/937/2	91/957/0	91/957/1	91/957/2
0 to +250°C&F	91/928/0	91/928/1	91/928/2	91/938/0	91/938/1	91/938/2	91/958/0	91/958/1	91/958/2

## Calibration product numbers:

Calibration	Number of points	Product number
UKAS	3pt	49/070/0
Traceable to national standards	1pt	49/099/0
	3pt	49/101/0
	5pt	49/105/0

# BT040 - Stainless steel bimetal thermometers heavy duty case

Temperature



## Product features:

- Thermometer with 304 stainless steel case and bayonet style bezel
- Choice of temperature ranges, dial diameters and stem lengths
- Every angle option available
- Back, bottom and adjustable connections
- Recalibration screw fitted to back and adjustable connection models
- **Brannan** quality and accuracy
- For outdoor and high humidity installations
- Stainless steel pockets can be supplied as extra to customer specifications (please enquire for details)
- Silicone filling available
- Wide range of associated accessories available

## Product specifications:

<b>Dial diameters</b>	Ø75mm, 100mm & 150mm
<b>Design</b>	BS EN 13190
<b>Accuracy class</b>	+/-2% (ASME B40.200 Grade A)
<b>Ranges</b>	-30 to +70°C&F through to 0 to +300°C&F
<b>Case</b>	Stainless steel AISI 304
<b>Bezel</b>	Stainless steel AISI 304 - bayonet
<b>Connection</b>	1/2" BSP stainless steel, bottom, back & adjustable connection (NPT & BSPT on request)
<b>Stem length</b>	100mm 304 stainless steel (316 stainless steel available on request) (available on request - 63mm, 80mm, 150mm, 200mm, 300mm, 500mm, etc)
<b>Stem diameter</b>	6mm, 8mm or 10mm on request
<b>Sensor mechanism</b>	Standard bimetal coil
<b>Window</b>	Glass
<b>Pointer</b>	Black aluminium
<b>Filling</b>	Dry or silicone filled (up to 300°C)
<b>Protection</b>	IP65
<b>Calibration</b>	UKAS certification, certificate traceable to recognised national standard or statement of conformity, if required

## Product accessories:

Please see accessories section of this catalogue for associated items for use with these thermometers.

- Pockets
- Self sealing test plugs



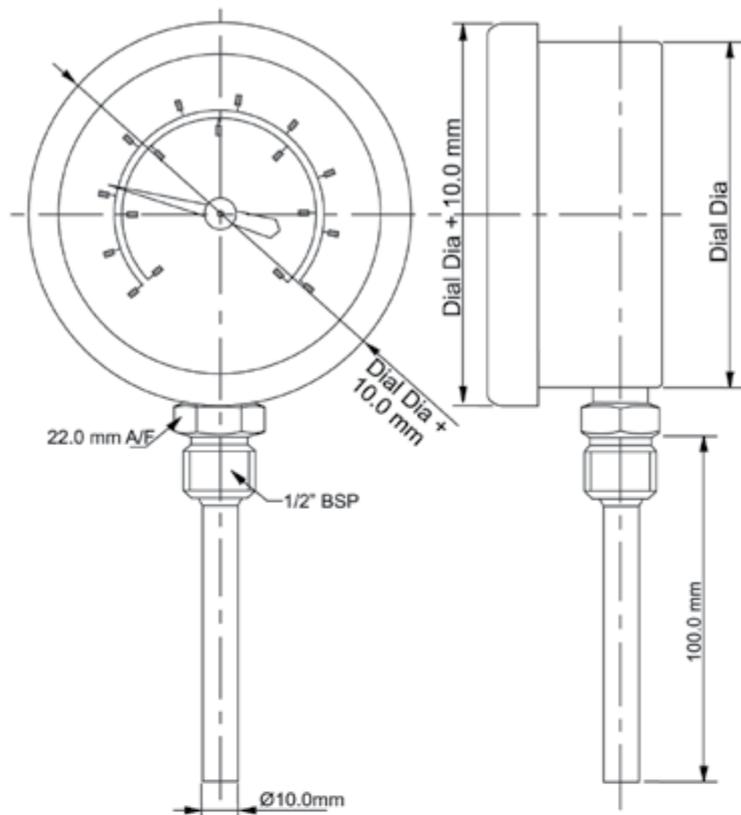
Measurement for life.



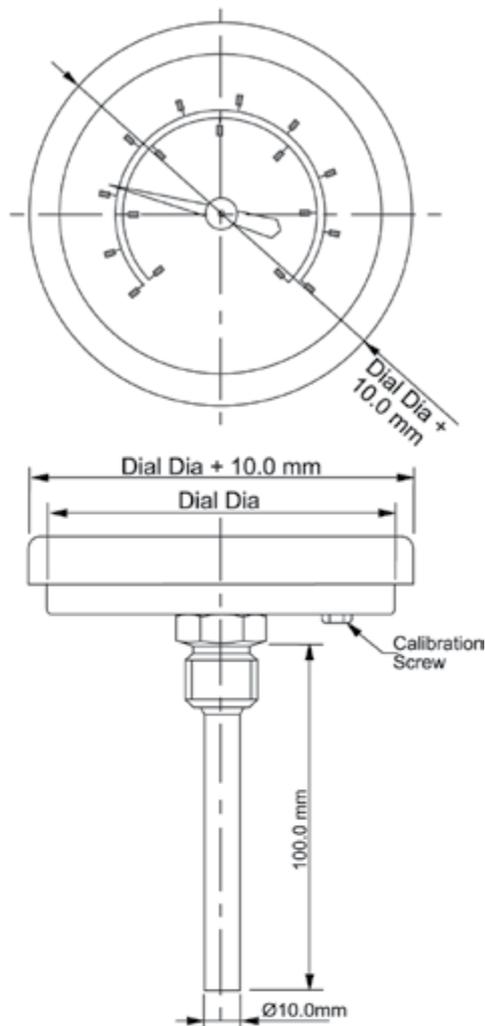
# Stainless steel bimetal thermometers heavy duty case - BT040

## Product dimensions:

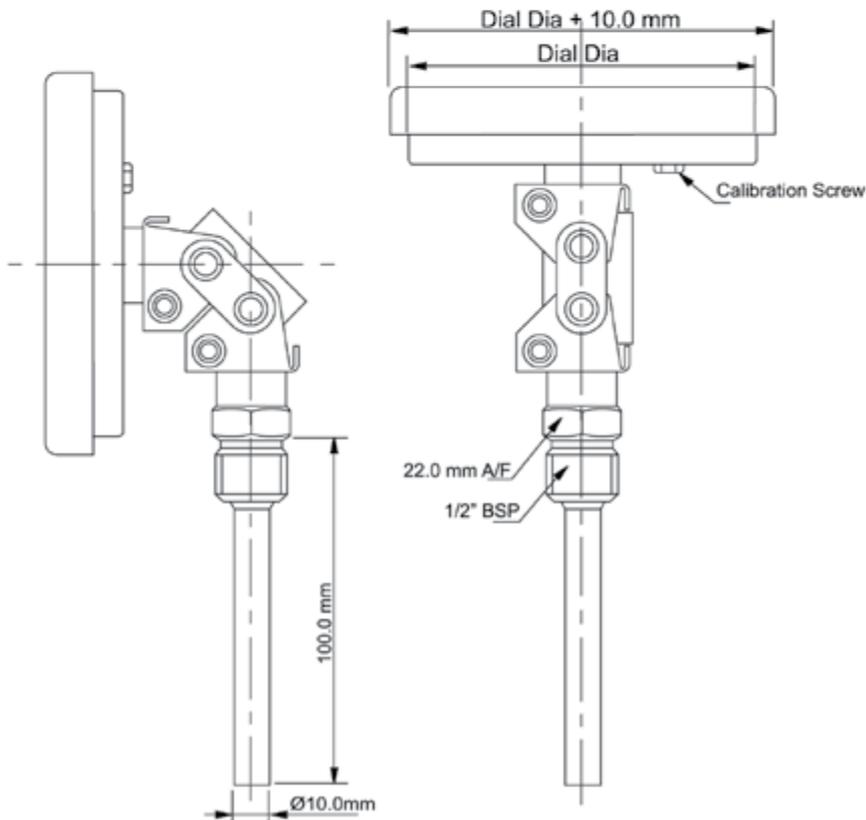
### Dial thermometer - bottom entry



### Dial thermometer - back entry



### Dial thermometer - adjustable entry



# BT040 - Stainless steel bimetal thermometers heavy duty case

## Product numbers:

The following are our standard product numbers. Special products can be supplied on request, for example, customer own branding, alternative connection, range, etc. Minimum order quantities apply. Please contact our sales team for further information.

Ø100mm bottom connection				Ø100mm back connection			
Range	75mm pocket	100mm pocket	150mm pocket	Range	75mm pocket	100mm pocket	150mm pocket
-30 to +70°C only	100/001/0	100/101/0	100/201/0	-30 to +70°C only	100/011/0	100/111/0	100/211/0
-30 to +70°C&F	100/002/0	100/102/0	100/202/0	-30 to +70°C&F	100/012/0	100/112/0	100/212/0
0 to +120°C only	100/003/0	100/103/0	100/203/0	0 to +120°C only	100/013/0	100/113/0	100/213/0
0 to +120°C&F	100/004/0	100/104/0	100/204/0	0 to +120°C&F	100/014/0	100/114/0	100/214/0
0 to +200°C only	100/005/0	100/105/0	100/205/0	0 to +200°C only	100/015/0	100/115/0	100/215/0
0 to +200°C&F	100/006/0	100/106/0	100/206/0	0 to +200°C&F	100/016/0	100/116/0	100/216/0
0 to +250°C only	100/007/0	100/107/0	100/207/0	0 to +250°C only	100/017/0	100/117/0	100/217/0
0 to +250°C&F	100/008/0	100/108/0	100/208/0	0 to +250°C&F	100/018/0	100/118/0	100/218/0
0 to +300°C only	100/009/0	100/109/0	100/209/0	0 to +300°C only	100/019/0	100/119/0	100/219/0
0 to +300°C&F	100/010/0	100/110/0	100/210/0	0 to +300°C&F	100/020/0	100/120/0	100/220/0

Ø100mm adjustable connection			
Range	75mm pocket	100mm pocket	150mm pocket
-30 to +70°C only	100/021/0	100/121/0	100/221/0
-30 to +70°C&F	100/022/0	100/122/0	100/222/0
0 to +120°C only	100/023/0	100/123/0	100/223/0
0 to +120°C&F	100/024/0	100/124/0	100/224/0
0 to +200°C only	100/025/0	100/125/0	100/225/0
0 to +200°C&F	100/026/0	100/126/0	100/226/0
0 to +250°C only	100/027/0	100/127/0	100/227/0
0 to +250°C&F	100/028/0	100/128/0	100/228/0
0 to +300°C only	100/029/0	100/129/0	100/229/0
0 to +300°C&F	100/030/0	100/130/0	100/230/0

## Calibration product numbers:

Calibration	Number of points	Product number
UKAS	3pt	49/070/0
Traceable to national standards	1pt	49/099/0
	3pt	49/101/0
	5pt	49/105/0





## Product features:

- Weatherproof thermometer with stainless steel case and bezel
- High quality liquid expansion measuring system
- Choice of dial diameters
- Wide choice of temperature ranges and stem lengths
- Supplied complete with stainless steel pocket or sliding union
- **Brannan** quality and accuracy
- Personalised instrumentation available on request
- For outdoor and high humidity installations
- Wide range of associated accessories available (see Accessories section of this catalogue)



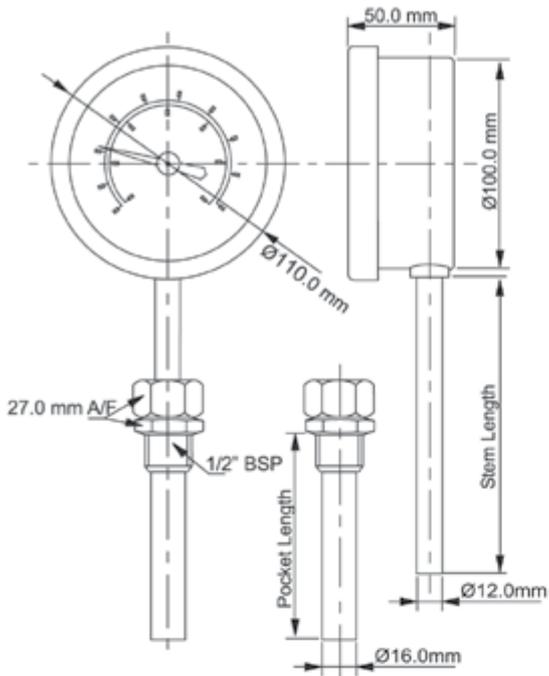
## Product specifications:

Dial diameters	Ø100mm & 150mm
Design	BS EN 13190
Accuracy class	2
Ranges	-40 to +40°C&F through to 0 to +250°C&F
Case	304 Stainless steel
Bezel	304 Stainless steel
Seal	74 shore D polyurethane
Connection	1/2" BSP bottom or back entry
Stem lengths	140mm, 200mm & 250mm
Pocket lengths	63mm, 100mm & 150mm
Sensor mechanism	Liquid expansion (kerosene filling)
Window	Glass
Pointer	Black plastic
Filling	Dry
Operating temperature	0 to +40°C (higher or lower ambient temperatures can cause indication errors)
Storage temperature	-40 to +60°C
Protection	IP67
Calibration	UKAS certification, certificate traceable to recognised national standard or statement of conformity, if required

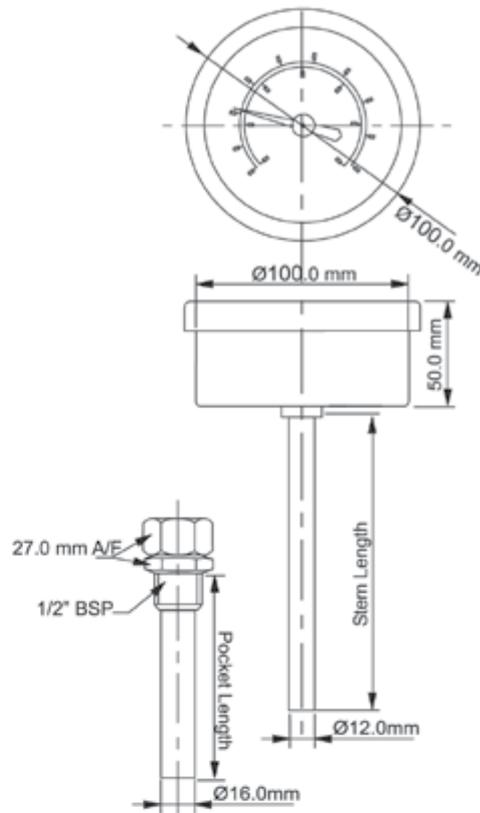
# XT040 - Stainless steel expansion dial thermometers with bezel

## Product dimensions:

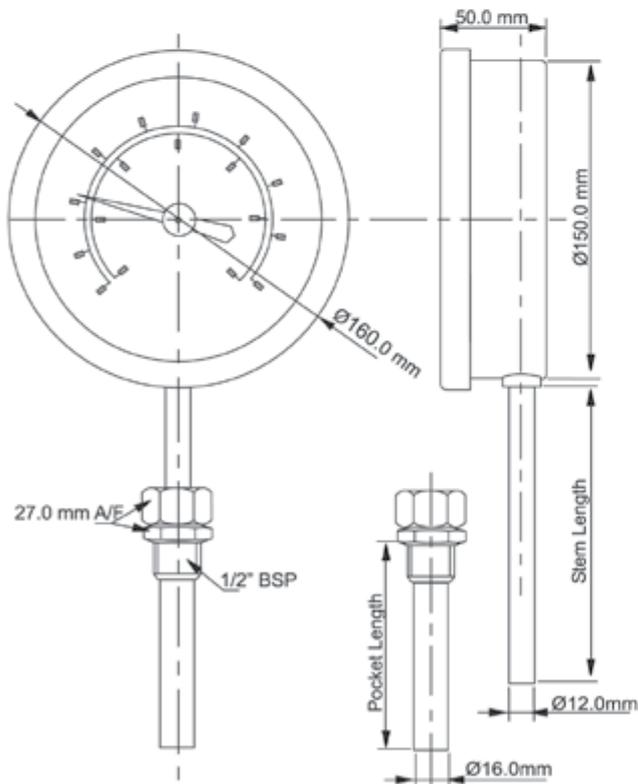
Ø100mm dial thermometer - bottom entry



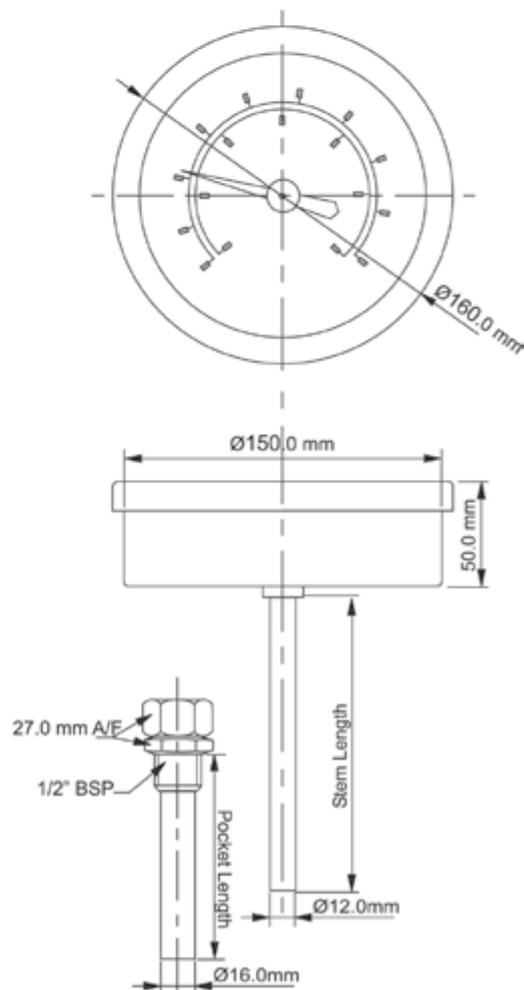
Ø100mm dial thermometer - back entry



Ø150mm dial thermometer - bottom entry



Ø150mm dial thermometer - back entry



# Stainless steel expansion dial thermometers with bezel - XT040

## Product numbers:

The following are our standard product numbers. Special products can be supplied on request, for example, customer own branding, alternative connection, range, etc. Minimum order quantities apply. Please contact our sales team for further information.

Range	Ø100mm diameter dials - supplied with pocket							
	Stem / pocket (pkt) length							
	Bottom entry				Back entry			
	140mm stem 63mm pkt	140mm stem 100mm pkt	200mm stem 150mm pkt	250mm stem 150mm pkt	140mm stem 63mm pkt	140mm stem 100mm pkt	200mm stem 150mm pkt	250mm stem 150mm pkt
-40 to +40°C only	300/621/0	300/641/0	300/661/0	300/681/0	301/621/0	301/641/0	301/661/0	301/681/0
-40 to +40°C&F	300/622/0	300/642/0	300/662/0	300/682/0	301/622/0	301/642/0	301/662/0	301/682/0
-20 to +60°C only	300/623/0	300/643/0	300/663/0	300/683/0	301/623/0	301/643/0	301/663/0	301/683/0
-20 to +60°C&F	300/624/0	300/644/0	300/664/0	300/684/0	301/624/0	301/644/0	301/664/0	301/684/0
0 to +120°C only	300/625/0	300/645/0	300/665/0	300/685/0	301/625/0	301/645/0	301/665/0	301/685/0
0 to +120°C&F	300/626/0	300/646/0	300/666/0	300/686/0	301/626/0	301/646/0	301/666/0	301/686/0
0 to +160°C only	300/627/0	300/647/0	300/667/0	300/687/0	301/627/0	301/647/0	301/667/0	301/687/0
0 to +160°C&F	300/628/0	300/648/0	300/668/0	300/688/0	301/628/0	301/648/0	301/668/0	301/688/0
0 to +200°C only	300/629/0	300/649/0	300/669/0	300/689/0	301/629/0	301/649/0	301/669/0	301/689/0
0 to +200°C&F	300/630/0	300/650/0	300/670/0	300/690/0	301/630/0	301/650/0	301/670/0	301/690/0
0 to +250°C only	300/631/0	300/651/0	300/671/0	300/691/0	301/631/0	301/651/0	301/671/0	301/691/0
0 to +250°C&F	300/632/0	300/652/0	300/672/0	300/692/0	301/632/0	301/652/0	301/672/0	301/692/0

Range	Ø150mm diameter dials - supplied with pocket							
	Stem / pocket (pkt) length							
	Bottom entry				Back entry			
	140mm stem 63mm pkt	140mm stem 100mm pkt	200mm stem 150mm pkt	250mm stem 150mm pkt	140mm stem 63mm pkt	140mm stem 100mm pkt	200mm stem 150mm pkt	250mm stem 150mm pkt
-40 to +40°C only	300/921/0	300/941/0	300/961/0	300/981/0	301/921/0	301/941/0	301/961/0	301/981/0
-40 to +40°C&F	300/922/0	300/942/0	300/962/0	300/982/0	301/922/0	301/942/0	301/962/0	301/982/0
-20 to +60°C only	300/923/0	300/943/0	300/963/0	300/983/0	301/923/0	301/943/0	301/963/0	301/983/0
-20 to +60°C&F	300/924/0	300/944/0	300/964/0	300/984/0	301/924/0	301/944/0	301/964/0	301/984/0
0 to +120°C only	300/925/0	300/945/0	300/965/0	300/985/0	301/925/0	301/945/0	301/965/0	301/985/0
0 to +120°C&F	300/926/0	300/946/0	300/966/0	300/986/0	301/926/0	301/946/0	301/966/0	301/986/0
0 to +160°C only	300/927/0	300/947/0	300/967/0	300/987/0	301/927/0	301/947/0	301/967/0	301/987/0
0 to +160°C&F	300/928/0	300/948/0	300/968/0	300/988/0	301/928/0	301/948/0	301/968/0	301/988/0
0 to +200°C only	300/929/0	300/949/0	300/969/0	300/989/0	301/929/0	301/949/0	301/969/0	301/989/0
0 to +200°C&F	300/930/0	300/950/0	300/970/0	300/990/0	301/930/0	301/950/0	301/970/0	301/990/0
0 to +250°C only	300/931/0	300/951/0	300/971/0	300/991/0	301/931/0	301/951/0	301/971/0	301/991/0
0 to +250°C&F	300/932/0	300/952/0	300/972/0	300/992/0	301/932/0	301/952/0	301/972/0	301/992/0

## Calibration product numbers:

Calibration	Number of points	Product number
UKAS	3pt	49/070/0
Traceable to national standards	1pt	49/099/0
	3pt	49/101/0
	5pt	49/105/0

# XT040 - Stainless steel expansion dial thermometers with bezel

## Product numbers:

The following are our standard product numbers. Special products can be supplied on request, for example, customer own branding, alternative connection, range, etc. Minimum order quantities apply. Please contact our sales team for further information.

Ø100mm dials - supplied with sliding union (no pocket)						
Range	Bottom connection			Back connection		
	140mm Stem	200mm Stem	250mm Stem	140mm Stem	200mm Stem	250mm Stem
-40 to +40°C only	310/641/0	310/661/0	310/681/0	311/641/0	311/661/0	311/681/0
-40 to +40°C&F	310/642/0	310/662/0	310/682/0	311/642/0	311/662/0	311/682/0
-20 to +60°C only	310/643/0	310/663/0	310/683/0	311/643/0	311/663/0	311/683/0
-20 to +60°C&F	310/644/0	310/664/0	310/684/0	311/644/0	311/664/0	311/684/0
0 to +120°C only	310/645/0	310/665/0	310/685/0	311/645/0	311/665/0	311/685/0
0 to +120°C&F	310/646/0	310/666/0	310/686/0	311/646/0	311/666/0	311/686/0
0 to +160°C only	310/647/0	310/667/0	310/687/0	311/647/0	311/667/0	311/687/0
0 to +160°C&F	310/648/0	310/668/0	310/688/0	311/648/0	311/668/0	311/688/0
0 to +200°C only	310/649/0	310/669/0	310/689/0	311/649/0	311/669/0	311/689/0
0 to +200°C&F	310/650/0	310/670/0	310/690/0	311/650/0	311/670/0	311/690/0
0 to +250°C only	310/651/0	310/671/0	310/691/0	311/651/0	311/671/0	311/691/0
0 to +250°C&F	310/652/0	310/672/0	310/692/0	311/652/0	311/672/0	311/692/0

Ø150mm dials - supplied with sliding union (no pocket)						
Range	Bottom connection			Back connection		
	140mm Stem	200mm Stem	250mm Stem	140mm Stem	200mm Stem	250mm Stem
-40 to +40°C only	310/941/0	310/961/0	310/981/0	311/941/0	311/961/0	311/981/0
-40 to +40°C&F	310/942/0	310/962/0	310/982/0	311/942/0	311/962/0	311/982/0
-20 to +60°C only	310/943/0	310/963/0	310/983/0	311/943/0	311/963/0	311/983/0
-20 to +60°C&F	310/944/0	310/964/0	310/984/0	311/944/0	311/964/0	311/984/0
0 to +120°C only	310/945/0	310/965/0	310/985/0	311/945/0	311/965/0	311/985/0
0 to +120°C&F	310/946/0	310/966/0	310/986/0	311/946/0	311/966/0	311/986/0
0 to +160°C only	310/947/0	310/967/0	310/987/0	311/947/0	311/967/0	311/987/0
0 to +160°C&F	310/948/0	310/968/0	310/988/0	311/948/0	311/968/0	311/988/0
0 to +200°C only	310/949/0	310/969/0	310/989/0	311/949/0	311/969/0	311/989/0
0 to +200°C&F	310/950/0	310/970/0	310/990/0	311/950/0	311/970/0	311/990/0
0 to +250°C only	310/951/0	310/971/0	310/991/0	311/951/0	311/971/0	311/991/0
0 to +250°C&F	310/952/0	310/972/0	310/992/0	311/952/0	311/972/0	311/992/0

## Calibration product numbers:

Calibration	Number of points	Product number
UKAS	3pt	49/070/0
Traceable to national standards	1pt	49/099/0
	3pt	49/101/0
	5pt	49/105/0

## Personalised instrumentation

As an additional service, we are able to offer full, four colour, logo print on Brannan gauges to personalise your products. Our state of the art printing process enables us to work with you to provide a branded product to enhance your instruments. This service is provided at our UK manufacturing facility and so enables a rapid turnaround (ex-stock gauges). Please contact our sales team for details.





## Product features:

- Weatherproof capillary thermometer with stainless steel case
- Back flange for surface mounting
- High quality liquid expansion measuring system
- Choice of dial diameters
- Supplied complete with stainless steel pocket or sliding union
- Wide choice of temperature ranges and capillary lengths
- **Brannan** quality and accuracy
- Personalised instrumentation available on request
- For outdoor and high humidity installations
- Wide range of associated accessories available (see Accessories section of this catalogue)

## Product specifications:

<b>Dial diameters</b>	Ø100mm & 150mm
<b>Design</b>	BS EN 13190
<b>Accuracy class</b>	2
<b>Ranges</b>	-40 to +40°C&F through to 0 to +250°C&F
<b>Case</b>	304 stainless steel case, bezel and back flange
<b>Seal</b>	74 shore D polyurethane
<b>Connection</b>	1/2" BSP bottom connection
<b>Stem lengths</b>	140mm, 200mm & 250mm
<b>Pocket lengths</b>	63mm, 100mm & 150mm
<b>Capillary</b>	1.5m, 3m & 5m stainless interlocking (plastic coated bronze also available for temperature ranges up to 120°C)
<b>Sensor mechanism</b>	Liquid expansion (kerosene filling)
<b>Window</b>	PMMA
<b>Pointer</b>	Black plastic
<b>Filling</b>	Dry
<b>Operating temperature</b>	0 to +40°C (higher or lower ambient temperatures can cause indication errors)
<b>Storage temperature</b>	-40 to +60°C
<b>Protection</b>	IP 67
<b>Calibration</b>	UKAS certification, certificate traceable to recognised national standard or statement of conformity, if required

## Personalised instrumentation

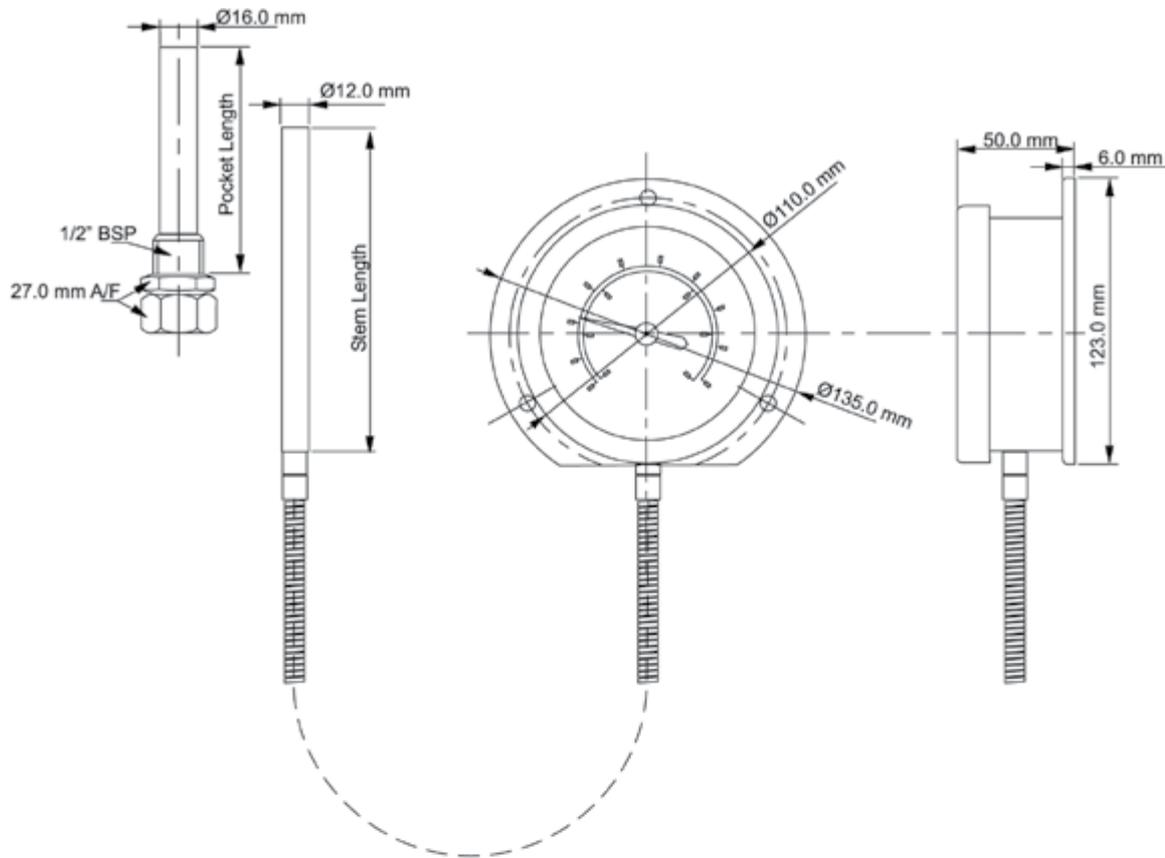
As an additional service, we are able to offer full, four colour, logo print on Brannan gauges to personalise your products. Our state of the art printing process enables us to work with you to provide a branded product to enhance your instruments. This service is provided at our UK manufacturing facility and so enables a rapid turnaround (ex-stock gauges). Please contact our sales team for details.



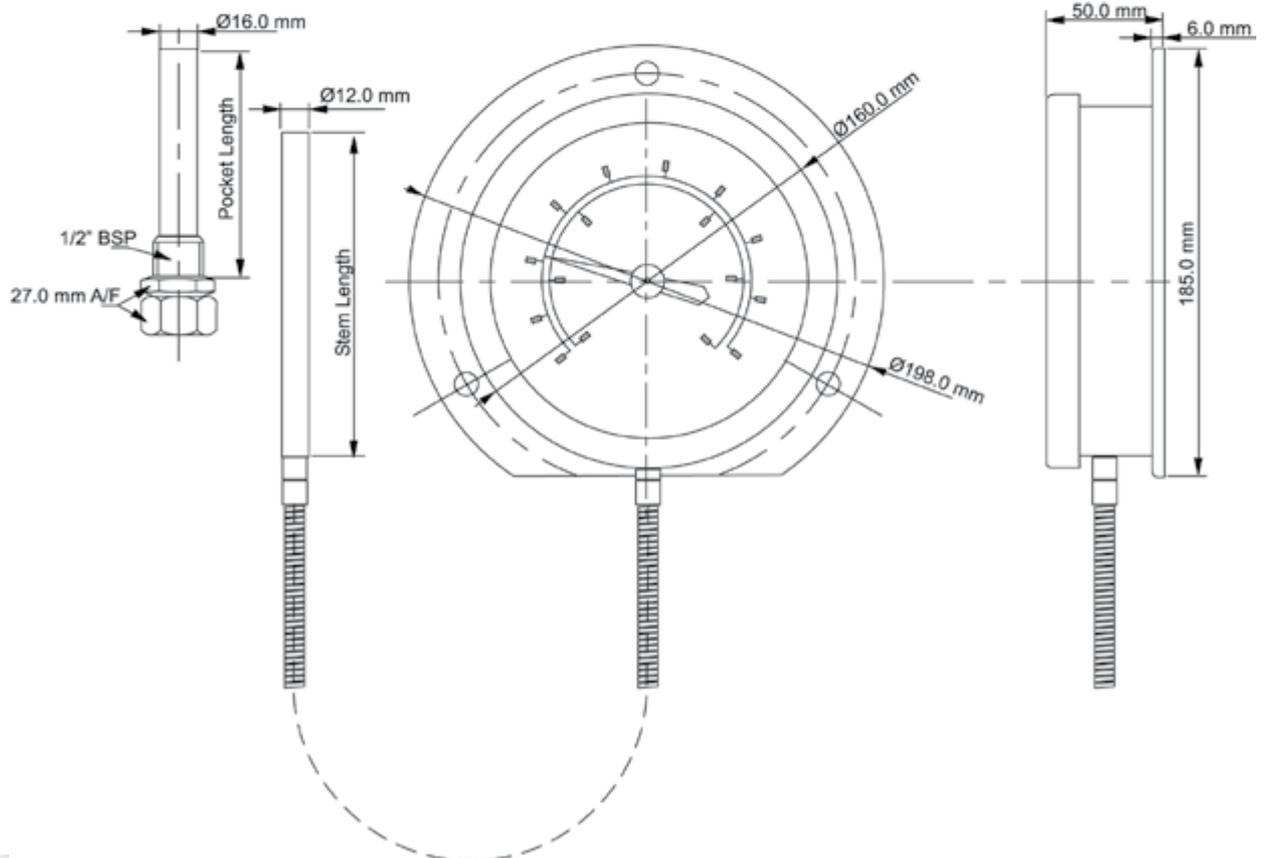
# XT045 - Stainless steel expansion thermometers with capillary

## Product dimensions:

### Ø100mm dial thermometer - bottom entry



### Ø150mm dial thermometer - bottom entry



# Stainless steel expansion thermometers with capillary - XT045

## Product numbers:

The following are our standard product numbers for dial thermometers supplied complete with pocket or sliding union (no pocket). Special products can be supplied on request, for example, customer own branding, alternative pocket length, range, etc. Minimum order quantities apply. Please contact our sales team for further information.

Ø100mm dials with 1.5m capillary - stem / pocket (pkt) length							
Range	with pocket				with sliding union		
	140mm stem 63mm pocket	140mm stem 100mm pocket	200mm stem 150mm pocket	250mm stem 150mm pocket	140mm stem	200mm stem	250mm stem
-40 to +40°C only	302/621/0	302/621/1	302/621/2	302/621/3	312/621/1	312/621/2	312/621/3
-40 to +40°C&F	302/622/0	302/622/1	302/622/2	302/622/3	312/622/1	312/622/2	312/622/3
-20 to +60°C only	302/623/0	302/623/1	302/623/2	302/623/3	312/623/1	312/623/2	312/623/3
-20 to +60°C&F	302/624/0	302/624/1	302/624/2	302/624/3	312/624/1	312/624/2	312/624/3
0 to +120°C only	302/625/0	302/625/1	302/625/2	302/625/3	312/625/1	312/625/2	312/625/3
0 to +120°C&F	302/626/0	302/626/1	302/626/2	302/626/3	312/626/1	312/626/2	312/626/3
0 to +160°C only	302/627/0	302/627/1	302/627/2	302/627/3	312/627/1	312/627/2	312/627/3
0 to +160°C&F	302/628/0	302/628/1	302/628/2	302/628/3	312/628/1	312/628/2	312/628/3
0 to +200°C only	302/629/0	302/629/1	302/629/2	302/629/3	312/629/1	312/629/2	312/629/3
0 to +200°C&F	302/630/0	302/630/1	302/630/2	302/630/3	312/630/1	312/630/2	312/630/3
0 to +250°C only	302/631/0	302/631/1	302/631/2	302/631/3	312/631/1	312/631/2	312/631/3
0 to +250°C&F	302/632/0	302/632/1	302/632/2	302/632/3	312/632/1	312/632/2	312/632/3

Ø100mm dials with 3m capillary - stem / pocket (pkt) length							
Range	with pocket				with sliding union		
	140mm stem 63mm pocket	140mm stem 100mm pocket	200mm stem 150mm pocket	250mm stem 150mm pocket	140mm stem	200mm stem	250mm stem
-40 to +40°C only	303/621/0	303/621/1	303/621/2	303/621/3	313/621/1	313/621/2	313/621/3
-40 to +40°C&F	303/622/0	303/622/1	303/622/2	303/622/3	313/622/1	313/622/2	313/622/3
-20 to +60°C only	303/623/0	303/623/1	303/623/2	303/623/3	313/623/1	313/623/2	313/623/3
-20 to +60°C&F	303/624/0	303/624/1	303/624/2	303/624/3	313/624/1	313/624/2	313/624/3
0 to +120°C only	303/625/0	303/625/1	303/625/2	303/625/3	313/625/1	313/625/2	313/625/3
0 to +120°C&F	303/626/0	303/626/1	303/626/2	303/626/3	313/626/1	313/626/2	313/626/3
0 to +160°C only	303/627/0	303/627/1	303/627/2	303/627/3	313/627/1	313/627/2	313/627/3
0 to +160°C&F	303/628/0	303/628/1	303/628/2	303/628/3	313/628/1	313/628/2	313/628/3
0 to +200°C only	303/629/0	303/629/1	303/629/2	303/629/3	313/629/1	313/629/2	313/629/3
0 to +200°C&F	303/630/0	303/630/1	303/630/2	303/630/3	313/630/1	313/630/2	313/630/3
0 to +250°C only	303/631/0	303/631/1	303/631/2	303/631/3	313/631/1	313/631/2	313/631/3
0 to +250°C&F	303/632/0	303/632/1	303/632/2	303/632/3	313/632/1	313/632/2	313/632/3

Ø100mm dials with 5m capillary - stem / pocket (pkt) length							
Range	with pocket				with sliding union		
	140mm stem 63mm pocket	140mm stem 100mm pocket	200mm stem 150mm pocket	250mm stem 150mm pocket	140mm stem	200mm stem	250mm stem
-40 to +40°C only	304/621/0	304/621/1	304/621/2	304/621/3	314/621/1	314/621/2	314/621/3
-40 to +40°C&F	304/622/0	304/622/1	304/622/2	304/622/3	314/622/1	314/622/2	314/622/3
-20 to +60°C only	304/623/0	304/623/1	304/623/2	304/623/3	314/623/1	314/623/2	314/623/3
-20 to +60°C&F	304/624/0	304/624/1	304/624/2	304/624/3	314/624/1	314/624/2	314/624/3
0 to +120°C only	304/625/0	304/625/1	304/625/2	304/625/3	314/625/1	314/625/2	314/625/3
0 to +120°C&F	304/626/0	304/626/1	304/626/2	304/626/3	314/626/1	314/626/2	314/626/3
0 to +160°C only	304/627/0	304/627/1	304/627/2	304/627/3	314/627/1	314/627/2	314/627/3
0 to +160°C&F	304/628/0	304/628/1	304/628/2	304/628/3	314/628/1	314/628/2	314/628/3
0 to +200°C only	304/629/0	304/629/1	304/629/2	304/629/3	314/629/1	314/629/2	314/629/3
0 to +200°C&F	304/630/0	304/630/1	304/630/2	304/630/3	314/630/1	314/630/2	314/630/3
0 to +250°C only	304/631/0	304/631/1	304/631/2	304/631/3	314/631/1	314/631/2	314/631/3
0 to +250°C&F	304/632/0	304/632/1	304/632/2	304/632/3	314/632/1	314/632/2	314/632/3

# XT045 - Stainless steel expansion thermometers with capillary

## Product numbers:

The following are our standard product numbers for dial thermometers supplied complete with pocket or sliding union (no pocket). Special products can be supplied on request, for example, customer own branding, alternative pocket length, range, etc. Minimum order quantities apply. Please contact our sales team for further information.

Ø150mm dials with 1.5m capillary - stem / pocket (pkt) length							
Range	with pocket				with sliding union		
	140mm stem 63mm pocket	140mm stem 100mm pocket	200mm stem 150mm pocket	250mm stem 150mm pocket	140mm stem	200mm stem	250mm stem
-40 to +40°C only	305/621/0	305/621/1	305/621/2	305/621/3	315/621/1	315/621/2	315/621/3
-40 to +40°C&F	305/622/0	305/622/1	305/622/2	305/622/3	315/622/1	315/622/2	315/622/3
-20 to +60°C only	305/623/0	305/623/1	305/623/2	305/623/3	315/623/1	315/623/2	315/623/3
-20 to +60°C&F	305/624/0	305/624/1	305/624/2	305/624/3	315/624/1	315/624/2	315/624/3
0 to +120°C only	305/625/0	305/625/1	305/625/2	305/625/3	315/625/1	315/625/2	315/625/3
0 to +120°C&F	305/626/0	305/626/1	305/626/2	305/626/3	315/626/1	315/626/2	315/626/3
0 to +160°C only	305/627/0	305/627/1	305/627/2	305/627/3	315/627/1	315/627/2	315/627/3
0 to +160°C&F	305/628/0	305/628/1	305/628/2	305/628/3	315/628/1	315/628/2	315/628/3
0 to +200°C only	305/629/0	305/629/1	305/629/2	305/629/3	315/629/1	315/629/2	315/629/3
0 to +200°C&F	305/630/0	305/630/1	305/630/2	305/630/3	315/630/1	315/630/2	315/630/3
0 to +250°C only	305/631/0	305/631/1	305/631/2	305/631/3	315/631/1	315/631/2	315/631/3
0 to +250°C&F	305/632/0	305/632/1	305/632/2	305/632/3	315/632/1	315/632/2	315/632/3

Ø150mm dials with 3m capillary - stem / pocket (pkt) length							
Range	with pocket				with sliding union		
	140mm stem 63mm pocket	140mm stem 100mm pocket	200mm stem 150mm pocket	250mm stem 150mm pocket	140mm stem	200mm stem	250mm stem
-40 to +40°C only	306/621/0	306/621/1	306/621/2	306/621/3	316/621/1	316/621/2	316/621/3
-40 to +40°C&F	306/622/0	306/622/1	306/622/2	306/622/3	316/622/1	316/622/2	316/622/3
-20 to +60°C only	306/623/0	306/623/1	306/623/2	306/623/3	316/623/1	316/623/2	316/623/3
-20 to +60°C&F	306/624/0	306/624/1	306/624/2	306/624/3	316/624/1	316/624/2	316/624/3
0 to +120°C only	306/625/0	306/625/1	306/625/2	306/625/3	316/625/1	316/625/2	316/625/3
0 to +120°C&F	306/626/0	306/626/1	306/626/2	306/626/3	316/626/1	316/626/2	316/626/3
0 to +160°C only	306/627/0	306/627/1	306/627/2	306/627/3	316/627/1	316/627/2	316/627/3
0 to +160°C&F	306/628/0	306/628/1	306/628/2	306/628/3	316/628/1	316/628/2	316/628/3
0 to +200°C only	306/629/0	306/629/1	306/629/2	306/629/3	316/629/1	316/629/2	316/629/3
0 to +200°C&F	306/630/0	306/630/1	306/630/2	306/630/3	316/630/1	316/630/2	316/630/3
0 to +250°C only	306/631/0	306/631/1	306/631/2	306/631/3	316/631/1	316/631/2	316/631/3
0 to +250°C&F	306/632/0	306/632/1	306/632/2	306/632/3	316/632/1	316/632/2	316/632/3

Ø150mm dials with 5m capillary - stem / pocket (pkt) length							
Range	with pocket				with sliding union		
	140mm stem 63mm pocket	140mm stem 100mm pocket	200mm stem 150mm pocket	250mm stem 150mm pocket	140mm stem	200mm stem	250mm stem
-40 to +40°C only	307/621/0	307/621/1	307/621/2	307/621/3	317/621/1	317/621/2	317/621/3
-40 to +40°C&F	307/622/0	307/622/1	307/622/2	307/622/3	317/622/1	317/622/2	317/622/3
-20 to +60°C only	307/623/0	307/623/1	307/623/2	307/623/3	317/623/1	317/623/2	317/623/3
-20 to +60°C&F	307/624/0	307/624/1	307/624/2	307/624/3	317/624/1	317/624/2	317/624/3
0 to +120°C only	307/625/0	307/625/1	307/625/2	307/625/3	317/625/1	317/625/2	317/625/3
0 to +120°C&F	307/626/0	307/626/1	307/626/2	307/626/3	317/626/1	317/626/2	317/626/3
0 to +160°C only	307/627/0	307/627/1	307/627/2	307/627/3	317/627/1	317/627/2	317/627/3
0 to +160°C&F	307/628/0	307/628/1	307/628/2	307/628/3	317/628/1	317/628/2	317/628/3
0 to +200°C only	307/629/0	307/629/1	307/629/2	307/629/3	317/629/1	317/629/2	317/629/3
0 to +200°C&F	307/630/0	307/630/1	307/630/2	307/630/3	317/630/1	317/630/2	317/630/3
0 to +250°C only	307/631/0	307/631/1	307/631/2	307/631/3	317/631/1	317/631/2	317/631/3
0 to +250°C&F	307/632/0	307/632/1	307/632/2	307/632/3	317/632/1	317/632/2	317/632/3

Temperature

Measurement for life.





## Product features:

- Weatherproof thermometer with stainless steel case and bezel
- High quality liquid expansion measuring system
- 100mm diameter dial with robust handles and strong stainless steel stem
- Choice of temperature ranges and stem lengths
- **Brannan** quality and accuracy
- For outdoor applications
- Personalised instrumentation available on request

## Product specifications:

<b>Dial diameter</b>	100mm
<b>Design</b>	BS EN 13190
<b>Accuracy class</b>	2
<b>Ranges</b>	0 to +100°C&F through to 0 to +300°C&F
<b>Case</b>	304 stainless steel
<b>Bezel</b>	304 stainless steel
<b>Seal</b>	74 shore D polyurethane
<b>Stem lengths</b>	400mm & 600mm
<b>Sensor mechanism</b>	Liquid expansion (Kerosene filling)
<b>Window</b>	Glass
<b>Pointer</b>	Black plastic
<b>Filling</b>	Dry
<b>Operating temperature</b>	0 to +40°C (higher or lower temperatures can cause indication errors)
<b>Storage temperature</b>	-40 to +60°C
<b>Protection</b>	IP67
<b>Calibration</b>	UKAS certification, certificate traceable to recognised national standard or statement of conformity, if required

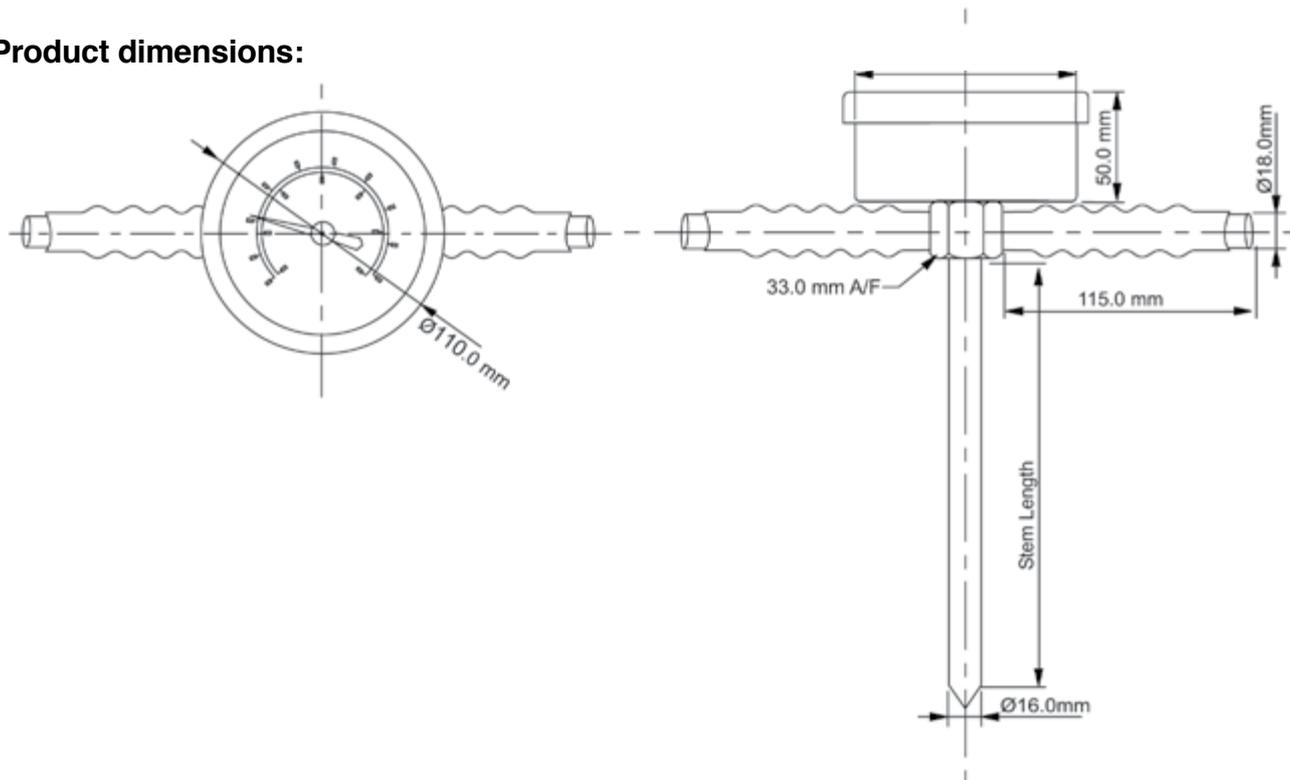
## Personalised instrumentation

As an additional service, we are able to offer full, four colour, logo print on Brannan gauges to personalise your products. Our state of the art printing process enables us to work with you to provide a branded product to enhance your instruments.

This service is provided at our UK manufacturing facility and so enables a rapid turnaround (ex-stock gauges). Please contact our sales team for details.

# XT050 - Stainless steel portable expansion thermometers

## Product dimensions:



## Product numbers:

The following are our standard product numbers. Special products can be supplied on request, for example, customer own branding, alternative connection, range, etc.

Minimum order quantities apply. Please contact our sales team for further information.

Application	Stem length	Range	Product no
Silage	600mm	0 to 160°C&F	15/430/0
Asphalt/Bitumen	400mm	0 to 300°C&F	15/420/0
Asphalt/Bitumen	600mm	0 to 300°C&F	15/421/0
Concrete	400mm	0 to 100°C&F	15/431/0





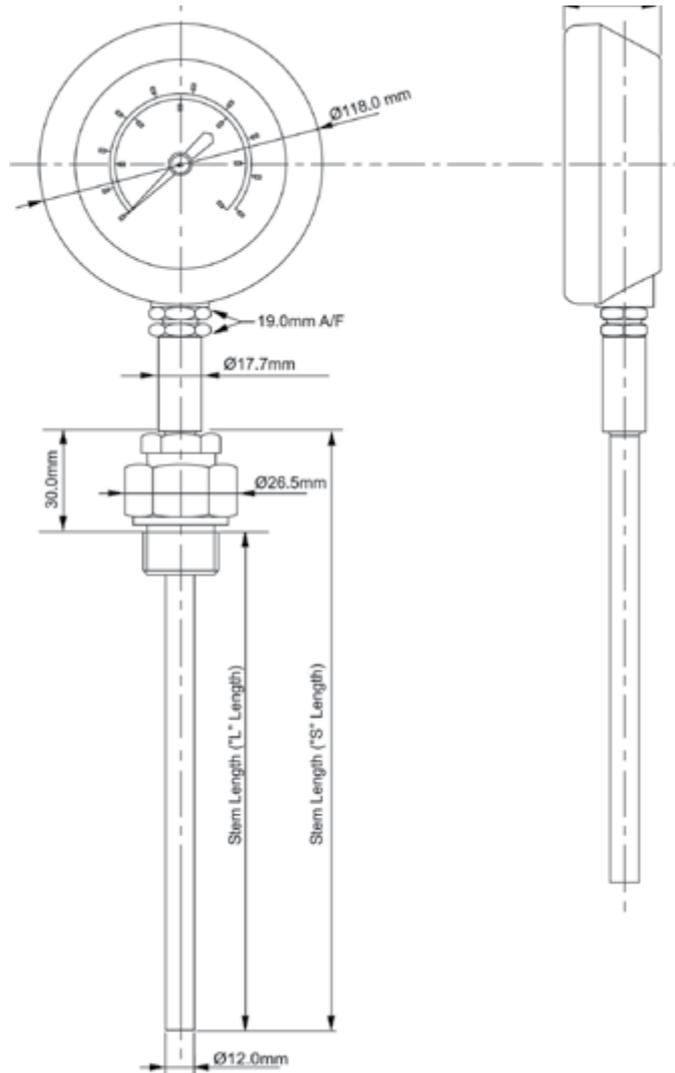
## Product features:

- Silicone oil filled exhaust gas thermometer
- Environmentally friendly
- Stainless steel sliding union available on request to customer choice of connection
- Wide choice of temperature ranges and stem lengths
- **Brannan** quality and accuracy
- Silicone oil protects against vibration using to ensure the maximum life under the most severe conditions
- Stainless steel pockets can be supplied as extra to customer specifications (please enquire for details)

## Product specifications:

<b>Dial diameters</b>	Ø100mm
<b>Accuracy</b>	+/- 2.5% of full scale
<b>Range</b>	+50 to +650°C&F (0 to +120°C&F, 0 to +160°C&F, 0 to +200°C&F and 0 to +250°C&F on request)
<b>Case</b>	Black painted die-cast aluminium case and bezel
<b>Connection</b>	Bottom connection (back connection available on request)
<b>Stem</b>	Plain stem
<b>Sliding union (extra)</b>	1/2", 3/4" or 3/8" BSP sliding union in 304 or 316 stainless steel supplied on request
<b>Stem length</b>	100mm through to 600mm below union
<b>Stem diameter</b>	Ø12mm (10mm, 13mm or 16mm available on request)
<b>Measuring system</b>	N <sub>2</sub>
<b>Window</b>	Glass
<b>Pointer</b>	Black plastic
<b>Filling</b>	Silicone (dry available on request)
<b>Max working temp</b>	Full scale value at continuous operation
<b>Protection</b>	IP 65
<b>Calibration</b>	UKAS certification, certificate traceable to Recognised National Standard or Statement of Conformity, if require

## Product dimensions:



## Product numbers:

The following are our standard product numbers. Special products can be supplied on request, for example, customer own branding, alternative connection, range, etc.

Minimum order quantities apply. Please contact our sales team for further information.

Stem length (L)	Product number
100mm	93/400/0
150mm	93/400/1
200mm	93/400/2
250mm	93/400/3
300mm	93/400/4
350mm	93/400/5
400mm	93/400/6
450mm	93/400/7
500mm	93/400/8
600mm	93/400/9

## Calibration product numbers:

Calibration	Number of points	Product number
UKAS	3pt	49/070/0
Traceable to national standards	1pt	49/099/0
	3pt	49/101/0
	5pt	49/105/0

Sliding connections to suit 12mm stems:

Thread	Product number
1/2"	39/437/0
3/4"	39/438/0





### Product features:

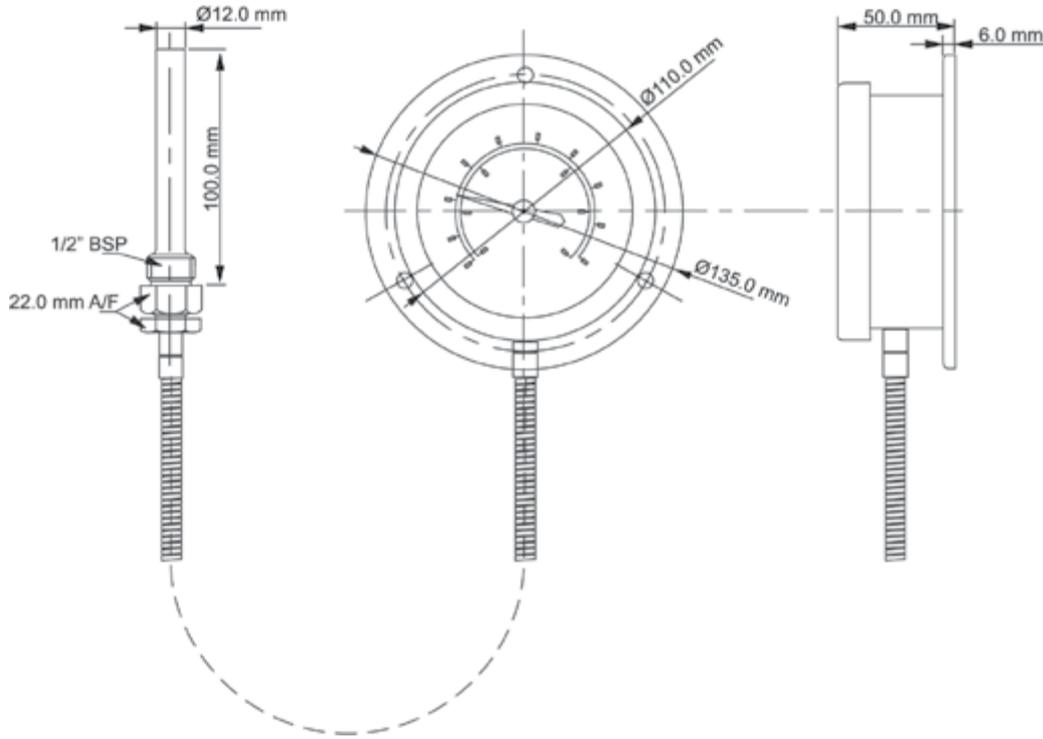
- Remote reading diesel engine exhaust gas thermometer
- Environmentally friendly
- Supplied complete with interlocking flexible capillary
- Stainless steel sliding union
- Wide choice of temperature ranges and capillary lengths
- **Brannan** quality and accuracy
- Silicone oil protects against vibration using to ensure the maximum life under the most severe conditions.
- Stainless steel pockets can be supplied as extra to customer specifications (please enquire for details)

### Product specifications:

<b>Dial diameters</b>	Ø100mm (150mm optional)
<b>Accuracy</b>	+/- 1.5% of full scale
<b>Range</b>	+50 to +650°C&F (0 to +120°C&F, 0 to +160°C&F, 0 to +200°C&F and 0 to +250°C&F on request)
<b>Case</b>	304 stainless steel
<b>Connection</b>	1/2" BSP 304 stainless steel sliding union (316 available on request) bottom connection (plain stem, without sliding union, available on request)
<b>Capillary</b>	Interlocking flexible capillary (solid stem available on request) 2m through to 15m lengths, 304 stainless steel
<b>Stem length</b>	100mm below union (other lengths available on request)
<b>Stem diameter</b>	Ø12mm (10mm, 13mm or 16mm available on request)
<b>Measuring system</b>	N <sub>2</sub>
<b>Window</b>	Glass
<b>Pointer</b>	Black plastic
<b>Filling</b>	Silicone (dry available on request)
<b>Max working temp</b>	Full scale value at continuous operation
<b>Protection</b>	IP 65
<b>Calibration</b>	UKAS certification, certificate traceable to Recognised National Standard or Statement of Conformity, if required

# MT020 - Marine - capillary exhaust thermometers

## Product dimensions:



## Product numbers:

The following are our standard product numbers. Special products can be supplied on request, for example, customer own branding, alternative connection, range, etc. Minimum order quantities apply. Please contact our sales team for further information.

Capillary length	Product number
2m	93/420/1
3m	93/420/2
5m	93/420/3
7m	93/420/4
10m	93/420/5
12m	93/420/6
15m	93/420/7

## Calibration product numbers:

Calibration	Number of points	Product number
UKAS	3pt	49/070/0
Traceable to national standards	1pt	49/099/0
	3pt	49/101/0
	5pt	49/105/0





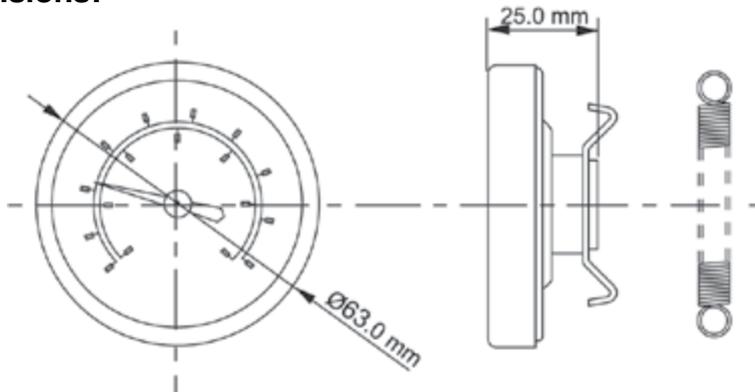
## Product features:

- Thermometer supplied with spring for attaching to pipe
- For measuring temperature inside pipe
- Low price and easy installation
- Suitable for pipe diameters from 20mm to 50mm
- **Brannan** quality and accuracy
- Available in plastic (with or without bezel) or metal case
- For hot and chilled water pipes

## Product specifications:

<b>Dial diameters</b>	Ø63mm
<b>Design</b>	BS EN 13190
<b>Accuracy</b>	+/-4°C
<b>Ranges</b>	-40 to +40°C&F through to 0 to +200°C&F
<b>Case and window</b>	Plastic case and window and chrome bezel (33/402/0 - glass window) Metal case with glass window and stainless steel bezel
<b>Pointer</b>	Black plastic
<b>Filling</b>	Dry
<b>Sensor mechanism</b>	Standard bimetal coil

## Product dimensions:



## Product numbers:

Case material	Range	Product number
Plastic	0 to +120°C&F	33/401/0
	0 to +200°C&F	33/402/0
Plastic - no bezel	0 to +120°C&F	33/404/0
Metal	-40 to +40°C&F	33/403/0
	0 to +120°C&F	33/501/0

# BT055 - Magnetic radiator thermometers



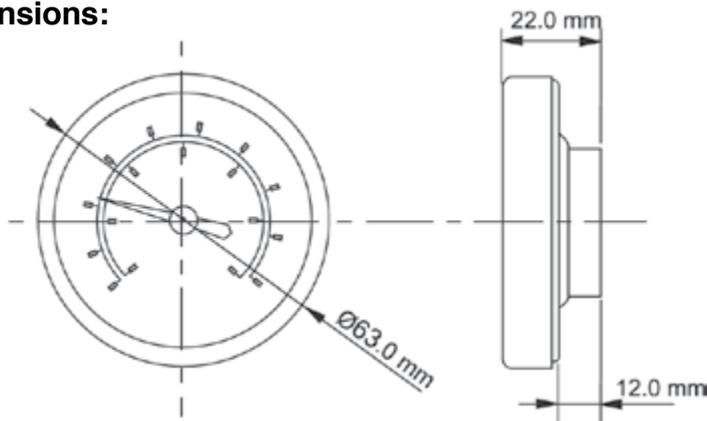
## Product features:

- Thermometer with large magnet for attaching to radiator
- Measures temperature inside radiator
- Low price and easy installation
- **Brannan** quality and accuracy

## Product specifications:

Dial diameters	Ø63mm
Design	BS EN 13190
Accuracy	+/-4°C
Ranges	-50 to +50°C&F and 0 to +120°C&F
Case & window	Galvenised steel case and bezel. Glass window
Pointer	Black plastic
Filling	Dry
Sensor mechanism	Standard bimetal coil

## Product dimensions:



## Product numbers:

Range	Product number
-50 to +50°C&F	33/411/0
0 to +120°C&F	33/409/0





### Product features:

- Low cost solution for temperature and pressure or temperature and altitude measurement
- Supplied with self-sealing brass pocket
- **Brannan** quality and accuracy
- For indoor installations

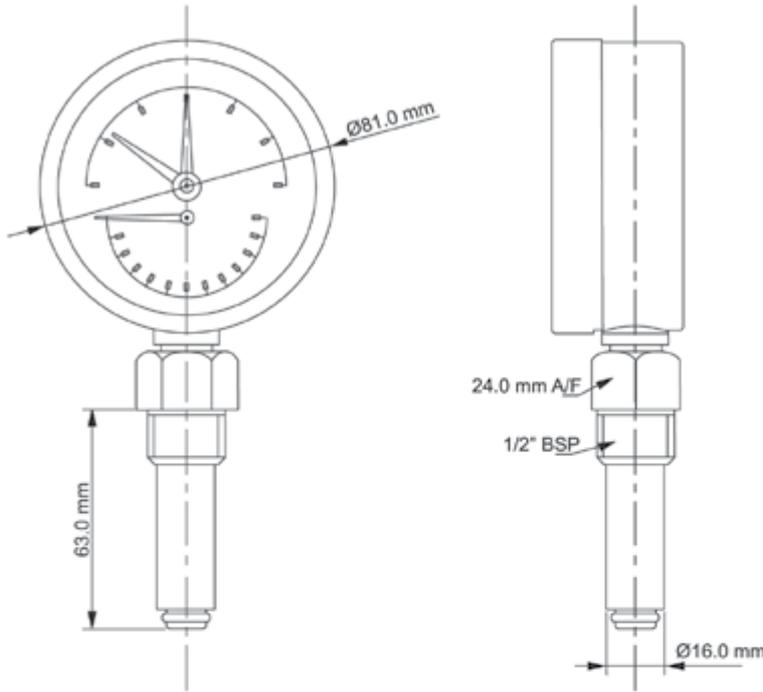
### Product specifications:

<b>Dial diameters</b>	Ø80mm
<b>Range</b>	Temperature/pressure: 0 to +120°C only / 0 to 6 bar only Temperature/altitude: 0 to +120°C only and 0 to 30 or 45 metres
<b>Case</b>	Black steel
<b>Window</b>	Clear plastic, snap fit
<b>Bezel</b>	Chrome
<b>Connection</b>	1/2" BSP bottom or back
<b>Pocket</b>	Self-sealing brass
<b>Sensor mechanism</b>	Bimetal coil, copper alloy bourdon
<b>Pointer</b>	Black aluminium with loose red pointer
<b>Filling</b>	Dry
<b>Working pressure</b>	Steady: 75% full scale range Fluctuating: 60% full scale range Short Time: full scale range
<b>Operating temperature</b>	Ambient: -20 to +60°C Medium: -20 to +60°C
<b>Storage temperature</b>	-40 to +60°C
<b>Temperature effect</b>	When temperature of the pressure element deviates from reference temperature of 20°C the maximum additional error is +/-0.4 per 10°C of the span rising and falling

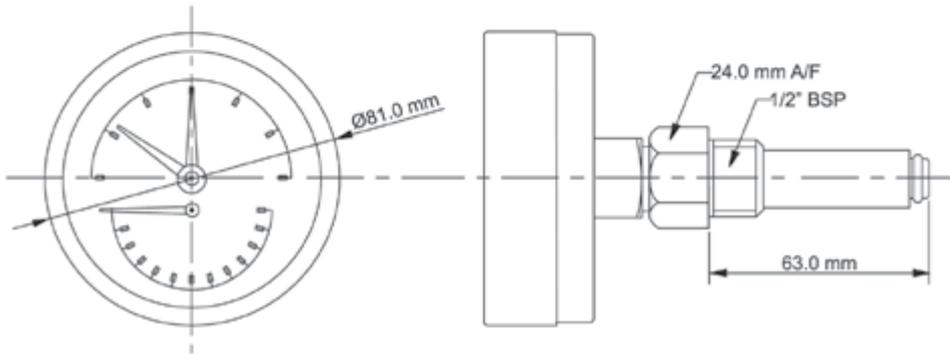
# CG010 - Combined gauges

## Product dimensions:

### Combined gauge - bottom Entry



### Combined gauge - back entry



## Product numbers:

### Combined thermometer/pressure gauge

Range	Product number	
	Bottom entry	Back entry
0 to +120°C only / 0 to 6 bar	36/618/1	35/618/1

### Combined thermometer/altitude gauge

Range	Product number	
	Bottom entry	Back entry
0 to +120°C only / 0 to 30 metres	36/615/1	35/615/1
0 to +120°C only / 0 to 45 metres	36/616/1	35/616/1



# Straight V-line thermometers - VT010



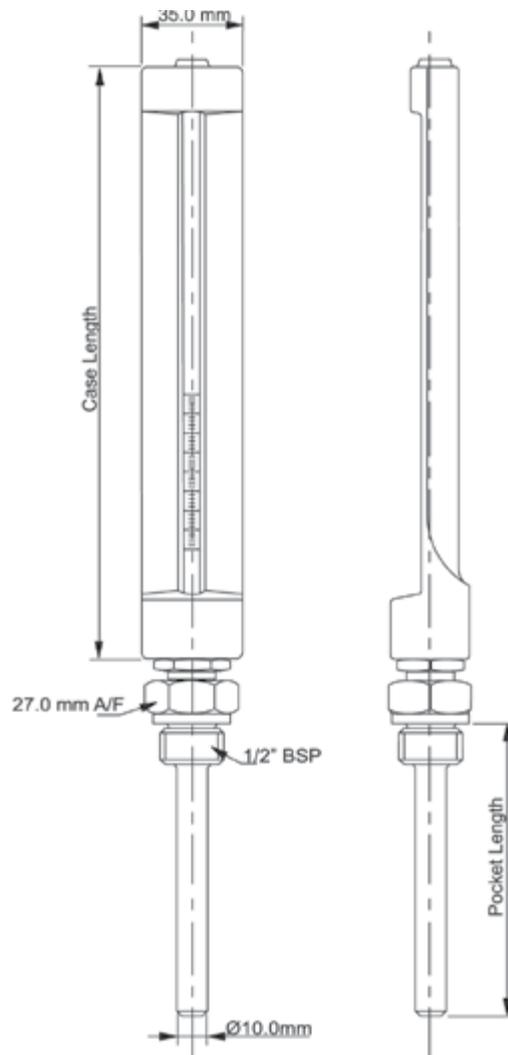
## Product features:

- Glass thermometer in heavy duty protective housing
- Reliable instrument with no moving parts
- Wide choice of pocket lengths and temperature ranges
- Customer branded products available subject to quantity
- Replacement thermometer tubes available (to order, substitute last digit of product number for "6" ie replacement tube for 81/090/0 is 81/090/6)
- **Brannan** quality and accuracy
- For indoor, outdoor and high humidity installations
- Supplied in individual box

## Product specifications:

<b>Case lengths</b>	110mm, 150mm & 200mm
<b>Ranges</b>	-30 to +200°C only or °C&F
<b>Case</b>	< +120°C: polypropylene > +160°C: painted aluminium
<b>Form</b>	Straight
<b>Glass filling</b>	Blue spirit
<b>Connection</b>	1/2" BSP
<b>Pocket</b>	Brass (stainless steel available on request). Screw in.
<b>Pocket lengths</b>	30mm, 40mm, 50mm, 63mm, 75mm, 100mm, 160mm, 200mm, 250mm x Ø10mm

## Product dimensions:



# VT010 - Straight V-line thermometers

## Product numbers:

110mm case										
Range	Divs	30mm pocket	40mm pocket	50mm pocket	63mm pocket	75mm pocket	100mm pocket	160mm pocket	200mm pocket	250mm pocket
-30 to +50°C	1°C	87/090/0	87/091/0	87/092/0	87/093/0	87/094/0	87/095/0	87/096/0	87/099/0	87/097/0
-30 to +50°C&F	1°C	87/100/0	87/101/0	87/102/0	87/103/0	87/104/0	87/105/0	87/106/0	87/109/0	87/107/0
0 to +50°C	1°C	87/150/0	87/151/0	87/152/0	87/153/0	87/154/0	87/155/0	87/156/0	87/159/0	87/157/0
0 to +50°C&F	1°C	87/160/0	87/161/0	87/162/0	87/163/0	87/164/0	87/165/0	87/166/0	87/169/0	87/167/0
0 to +60°C	1°C	87/170/0	87/171/0	87/172/0	87/173/0	87/174/0	87/175/0	87/176/0	87/179/0	87/177/0
0 to +60°C&F	1°C	87/140/0	87/141/0	87/142/0	87/143/0	87/144/0	87/145/0	87/146/0	87/149/0	87/147/0
0 to +100°C	1°C	87/190/0	87/191/0	87/192/0	87/193/0	87/194/0	87/195/0	87/196/0	87/199/0	87/197/0
0 to +100°C&F	1°C	87/180/0	87/181/0	87/182/0	87/183/0	87/184/0	87/185/0	87/186/0	87/189/0	87/187/0
0 to +120°C	1°C	87/220/0	87/221/0	87/222/0	87/223/0	87/224/0	87/225/0	87/226/0	87/229/0	87/227/0
0 to +120°C&F	1°C	87/230/0	87/231/0	87/232/0	87/233/0	87/234/0	87/235/0	87/236/0	87/239/0	87/237/0
0 to +160°C	2°C	87/290/0	87/291/0	87/292/0	87/293/0	87/294/0	87/295/0	87/296/0	87/299/0	87/297/0
0 to +160°C&F	2°C	87/300/0	87/301/0	87/302/0	87/303/0	87/304/0	87/305/0	87/306/0	87/309/0	87/307/0
0 to +200°C	2°C	87/320/0	87/321/0	87/322/0	87/323/0	87/324/0	87/325/0	87/326/0	87/329/0	87/327/0
0 to +200°C&F	2°C	87/330/0	87/331/0	87/332/0	87/333/0	87/334/0	87/335/0	87/336/0	87/339/0	87/337/0

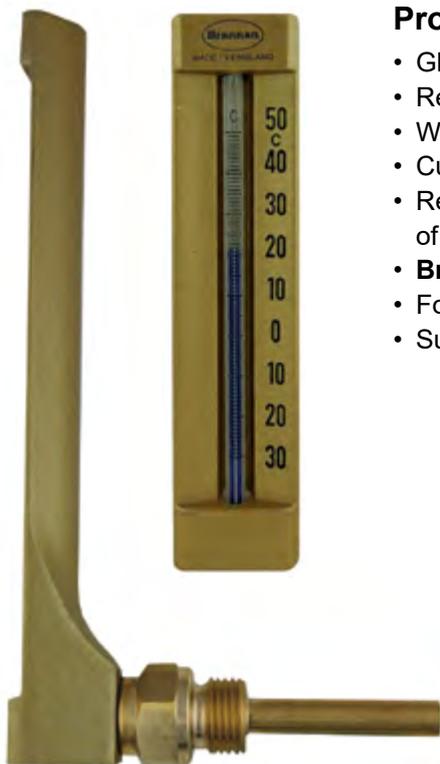
150mm case										
Range	Divs	30mm pocket	40mm pocket	50mm pocket	63mm pocket	75mm pocket	100mm pocket	160mm pocket	200mm pocket	250mm pocket
-30 to +50°C	1°C	84/090/0	84/091/0	84/092/0	84/093/0	84/094/0	84/095/0	84/096/0	84/099/0	84/097/0
-30 to +50°C&F	1°C	84/100/0	84/101/0	84/102/0	84/103/0*	84/104/0	84/105/0*	84/106/0*	84/109/0	84/107/0
0 to +50°C	1°C	84/150/0	84/151/0	84/152/0	84/153/0	84/154/0	84/155/0	84/156/0	84/159/0	84/157/0
0 to +50°C&F	1°C	84/160/0	84/161/0	84/162/0	84/163/0	84/164/0	84/165/0	84/166/0	84/169/0	84/167/0
0 to +60°C	1°C	84/170/0	84/171/0	84/172/0	84/173/0	84/174/0	84/175/0	84/176/0	84/179/0	84/177/0
0 to +60°C&F	1°C	84/140/0	84/141/0	84/142/0	84/143/0*	84/144/0	84/145/0*	84/146/0*	84/149/0	84/147/0
0 to +100°C	1°C	84/190/0	84/191/0	84/192/0	84/193/0	84/194/0	84/195/0	84/196/0	84/199/0	84/197/0
0 to +100°C&F	1°C	84/180/0	84/181/0	84/182/0	84/183/0	84/184/0	84/185/0	84/186/0	84/189/0	84/187/0
0 to +120°C	1°C	84/220/0	84/221/0	84/222/0	84/223/0	84/224/0	84/225/0	84/226/0	84/229/0	84/227/0
0 to +120°C&F	1°C	84/230/0	84/231/0	84/232/0	84/233/0*	84/234/0	84/235/0*	84/236/0*	84/239/0	84/237/0
0 to +160°C	2°C	84/290/0	84/291/0	84/292/0	84/293/0	84/294/0	84/295/0	84/296/0	84/299/0	84/297/0
0 to +160°C&F	2°C	84/300/0	84/301/0	84/302/0	84/303/0	84/304/0	84/305/0	84/306/0	84/309/0	84/307/0
0 to +200°C	2°C	84/320/0	84/321/0	84/322/0	84/323/0	84/324/0	84/325/0	84/326/0	84/329/0	84/327/0
0 to +200°C&F	2°C	84/330/0	84/331/0	84/332/0	84/333/0	84/334/0	84/335/0	84/336/0	84/339/0	84/337/0

200mm case										
Range	Divs	30mm pocket	40mm pocket	50mm pocket	63mm pocket	75mm pocket	100mm pocket	160mm pocket	200mm pocket	250mm pocket
-30 to +50°C	1°C	81/090/0	81/091/0	81/092/0	81/093/0	81/094/0	81/095/0	81/096/0	81/099/0	81/097/0
-30 to +50°C&F	1°C	81/100/0	81/101/0	81/102/0	81/103/0*	81/104/0	81/105/0*	81/106/0*	81/109/0	81/107/0
0 to +50°C	1°C	81/150/0	81/151/0	81/152/0	81/153/0	81/154/0	81/155/0	81/156/0	81/159/0	81/157/0
0 to +50°C&F	1°C	81/160/0	81/161/0	81/162/0	81/163/0	81/164/0	81/165/0	81/166/0	81/169/0	81/167/0
0 to +60°C	1°C	81/170/0	81/171/0	81/172/0	81/173/0	81/174/0	81/175/0	81/176/0	81/179/0	81/177/0
0 to +60°C&F	1°C	81/140/0	81/141/0	81/142/0	81/143/0*	81/144/0	81/145/0*	81/146/0*	81/149/0	81/147/0
0 to +100°C	1°C	81/190/0	81/191/0	81/192/0	81/193/0	81/194/0	81/195/0	81/196/0	81/199/0	81/197/0
0 to +100°C&F	1°C	81/180/0	81/181/0	81/182/0	81/183/0	81/184/0	81/185/0	81/186/0	81/189/0	81/187/0
0 to +120°C	1°C	81/220/0	81/221/0	81/222/0	81/223/0	81/224/0	81/225/0	81/226/0	81/229/0	81/227/0
0 to +120°C&F	1°C	81/230/0	81/231/0	81/232/0	81/233/0*	81/234/0	81/235/0*	81/236/0*	81/239/0	81/237/0
0 to +160°C	2°C	81/290/0	81/291/0	81/292/0	81/293/0	81/294/0	81/295/0	81/296/0	81/299/0	81/297/0
0 to +160°C&F	2°C	81/300/0	81/301/0	81/302/0	81/303/0	81/304/0	81/305/0	81/306/0	81/309/0	81/307/0
0 to +200°C	2°C	81/320/0	81/321/0	81/322/0	81/323/0	81/324/0	81/325/0	81/326/0	81/329/0	81/327/0
0 to +200°C&F	2°C	81/330/0	81/331/0	81/332/0	81/333/0	81/334/0	81/335/0	81/336/0	81/339/0	81/337/0

Temperature

Measurement for life.





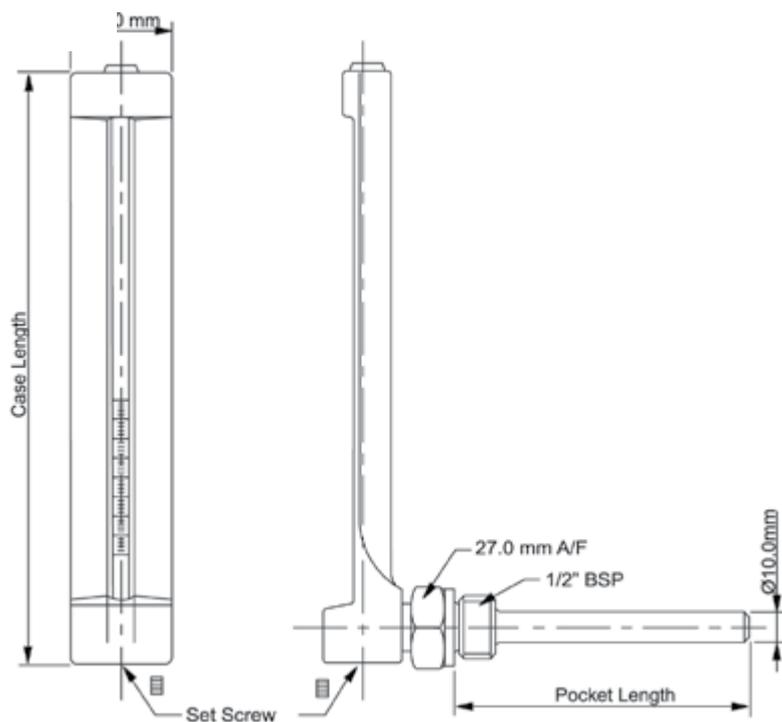
### Product features:

- Glass thermometer in heavy duty protective housing
- Reliable instrument with no moving parts
- Wide choice of pocket lengths and temperature ranges
- Customer branded products available subject to quantity
- Replacement thermometer tubes available (to order, substitute last digit of product number for "6" ie replacement tube for 82/090/0 is 82/090/6)
- **Brannan** quality and accuracy
- For indoor, outdoor and high humidity installations
- Supplied in individual box

### Product specifications:

<b>Case lengths</b>	110mm, 150mm & 200mm
<b>Ranges</b>	-30 to +200°C only or °C&F
<b>Case</b>	< +120°C: polypropylene > +160°C: painted aluminium
<b>Form</b>	90° angle
<b>Glass filling</b>	Blue spirit
<b>Connection</b>	1/2" BSP
<b>Pocket</b>	Brass (stainless steel available on request). Push in with set screw
<b>Pocket lengths</b>	30mm, 40mm, 50mm, 63mm, 75mm, 100mm, 160mm, 200mm, 250mm x Ø10mm

### Product dimensions:



# VT020 - 90° angle V-line thermometers

## Product numbers:

110mm case										
Range	Divs	30mm pocket	40mm pocket	50mm pocket	63mm pocket	75mm pocket	100mm pocket	160mm pocket	200mm pocket	250mm pocket
-30 to +50°C	1°C	88/090/0	88/091/0	88/092/0	88/093/0	88/094/0	88/095/0	88/096/0	88/099/0	88/097/0
-30 to +50°C&F	1°C	88/100/0	88/101/0	88/102/0	88/103/0	88/104/0	88/105/0	88/106/0	88/109/0	88/107/0
0 to +50°C	1°C	88/150/0	88/151/0	88/152/0	88/153/0	88/154/0	88/155/0	88/156/0	88/159/0	88/157/0
0 to +50°C&F	1°C	88/160/0	88/161/0	88/162/0	88/163/0	88/164/0	88/165/0	88/166/0	88/169/0	88/167/0
0 to +60°C	1°C	88/170/0	88/171/0	88/172/0	88/173/0	88/174/0	88/175/0	88/176/0	88/179/0	88/177/0
0 to +60°C&F	1°C	88/140/0	88/141/0	88/142/0	88/143/0	88/144/0	88/145/0	88/146/0	88/149/0	88/147/0
0 to +100°C	1°C	88/190/0	88/191/0	88/192/0	88/193/0	88/194/0	88/195/0	88/196/0	88/199/0	88/197/0
0 to +100°C&F	1°C	88/180/0	88/181/0	88/182/0	88/183/0	88/184/0	88/185/0	88/186/0	88/189/0	88/187/0
0 to +120°C	1°C	88/220/0	88/221/0	88/222/0	88/223/0	88/224/0	88/225/0	88/226/0	88/229/0	88/227/0
0 to +120°C&F	1°C	88/230/0	88/231/0	88/232/0	88/233/0	88/234/0	88/235/0	88/236/0	88/239/0	88/237/0
0 to +160°C	2°C	88/290/0	88/291/0	88/292/0	88/293/0	88/294/0	88/295/0	88/296/0	88/299/0	88/297/0
0 to +160°C&F	2°C	88/300/0	88/301/0	88/302/0	88/303/0	88/304/0	88/305/0	88/306/0	88/309/0	88/307/0
0 to +200°C	2°C	88/320/0	88/321/0	88/322/0	88/323/0	88/324/0	88/325/0	88/326/0	88/329/0	88/327/0
0 to +200°C&F	2°C	88/330/0	88/331/0	88/332/0	88/333/0	88/334/0	88/335/0	88/336/0	88/339/0	88/337/0

150mm case										
Range	Divs	30mm pocket	40mm pocket	50mm pocket	63mm pocket	75mm pocket	100mm pocket	160mm pocket	200mm pocket	250mm pocket
-30 to +50°C	1°C	85/090/0	85/091/0	85/092/0	85/093/0	85/094/0	85/095/0	85/096/0	85/099/0	85/097/0
-30 to +50°C&F	1°C	85/100/0	85/101/0	85/102/0	85/103/0	85/104/0	85/105/0	85/106/0	85/109/0	85/107/0
0 to +50°C	1°C	85/150/0	85/151/0	85/152/0	85/153/0	85/154/0	85/155/0	85/156/0	85/159/0	85/157/0
0 to +50°C&F	1°C	85/160/0	85/161/0	85/162/0	85/163/0	85/164/0	85/165/0	85/166/0	85/169/0	85/167/0
0 to +60°C	1°C	85/170/0	85/171/0	85/172/0	85/173/0	85/174/0	85/175/0	85/176/0	85/179/0	85/177/0
0 to +60°C&F	1°C	85/140/0	85/141/0	85/142/0	85/143/0	85/144/0	85/145/0	85/146/0	85/149/0	85/147/0
0 to +100°C	1°C	85/190/0	85/191/0	85/192/0	85/193/0	85/194/0	85/195/0	85/196/0	85/199/0	85/197/0
0 to +100°C&F	1°C	85/180/0	85/181/0	85/182/0	85/183/0	85/184/0	85/185/0	85/186/0	85/189/0	85/187/0
0 to +120°C	1°C	85/220/0	85/221/0	85/222/0	85/223/0	85/224/0	85/225/0	85/226/0	85/229/0	85/227/0
0 to +120°C&F	1°C	85/230/0	85/231/0	85/232/0	85/233/0	85/234/0	85/235/0	85/236/0	85/239/0	85/237/0
0 to +160°C	2°C	85/290/0	85/291/0	85/292/0	85/293/0	85/294/0	85/295/0	85/296/0	85/299/0	85/297/0
0 to +160°C&F	2°C	85/300/0	85/301/0	85/302/0	85/303/0	85/304/0	85/305/0	85/306/0	85/309/0	85/307/0
0 to +200°C	2°C	85/320/0	85/321/0	85/322/0	85/323/0	85/324/0	85/325/0	85/326/0	85/329/0	85/327/0
0 to +200°C&F	2°C	85/330/0	85/331/0	85/332/0	85/333/0	85/334/0	85/335/0	85/336/0	85/339/0	85/337/0

200mm case										
Range	Divs	30mm pocket	40mm pocket	50mm pocket	63mm pocket	75mm pocket	100mm pocket	160mm pocket	200mm pocket	250mm pocket
-30 to +50°C	1°C	82/090/0	82/091/0	82/092/0	82/093/0	82/094/0	82/095/0	82/096/0	82/099/0	82/097/0
-30 to +50°C&F	1°C	82/100/0	82/101/0	82/102/0	82/103/0	82/104/0	82/105/0	82/106/0	82/109/0	82/107/0
0 to +50°C	1°C	82/150/0	82/151/0	82/152/0	82/153/0	82/154/0	82/155/0	82/156/0	82/159/0	82/157/0
0 to +50°C&F	1°C	82/160/0	82/161/0	82/162/0	82/163/0	82/164/0	82/165/0	82/166/0	82/169/0	82/167/0
0 to +60°C	1°C	82/170/0	82/171/0	82/172/0	82/173/0	82/174/0	82/175/0	82/176/0	82/179/0	82/177/0
0 to +60°C&F	1°C	82/140/0	82/141/0	82/142/0	82/143/0	82/144/0	82/145/0	82/146/0	82/149/0	82/147/0
0 to +100°C	1°C	82/190/0	82/191/0	82/192/0	82/193/0	82/194/0	82/195/0	82/196/0	82/199/0	82/197/0
0 to +100°C&F	1°C	82/180/0	82/181/0	82/182/0	82/183/0	82/184/0	82/185/0	82/186/0	82/189/0	82/187/0
0 to +120°C	1°C	82/220/0	82/221/0	82/222/0	82/223/0	82/224/0	82/225/0	82/226/0	82/229/0	82/227/0
0 to +120°C&F	1°C	82/230/0	82/231/0	82/232/0	82/233/0	82/234/0	82/235/0	82/236/0	82/239/0	82/237/0
0 to +160°C	2°C	82/290/0	82/291/0	82/292/0	82/293/0	82/294/0	82/295/0	82/296/0	82/299/0	82/297/0
0 to +160°C&F	2°C	82/300/0	82/301/0	82/302/0	82/303/0	82/304/0	82/305/0	82/306/0	82/309/0	82/307/0
0 to +200°C	2°C	82/320/0	82/321/0	82/322/0	82/323/0	82/324/0	82/325/0	82/326/0	82/329/0	82/327/0
0 to +200°C&F	2°C	82/330/0	82/331/0	82/332/0	82/333/0	82/334/0	82/335/0	82/336/0	82/339/0	82/337/0

Temperature

Measurement for life.



# 135° angle V-line thermometers - VT030



## Product features:

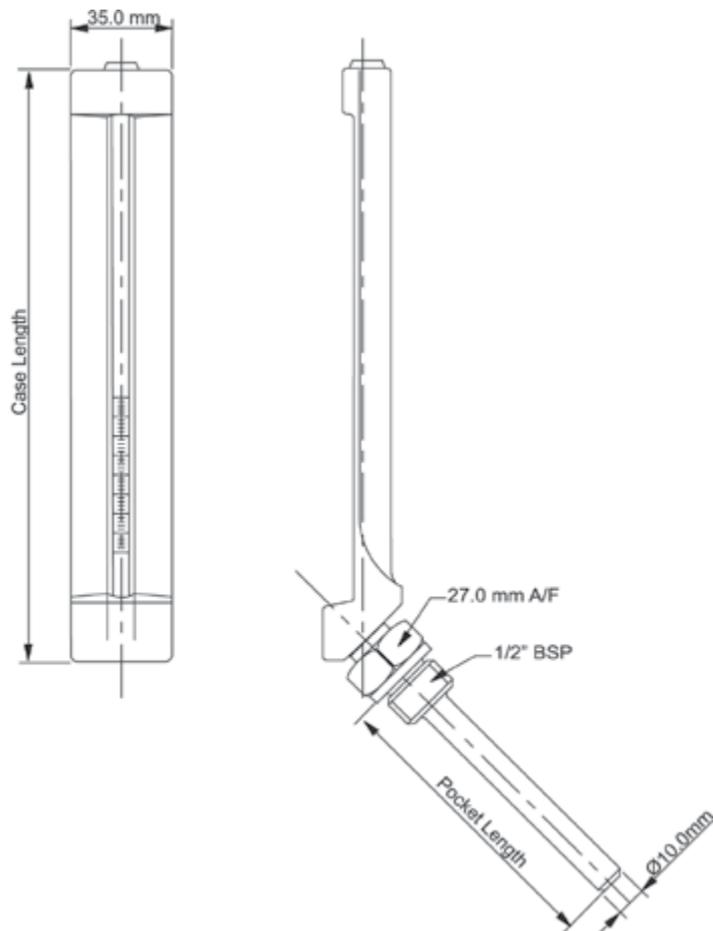
- Glass thermometer in heavy duty (metal case only) protective housing
- Reliable instrument with no moving parts
- Choice of pocket lengths and temperature ranges
- Customer branded products available subject to quantity
- Replacement thermometer tubes available (to order, substitute last digit of product number for "6" ie replacement tube for 83/093/0 is 83/093/6)
- **Brannan** quality and accuracy
- For indoor, outdoor and high humidity installations

## Product specifications:

<b>Case lengths</b>	150mm & 200mm
<b>Ranges</b>	-30 to +200°C only or °C&F
<b>Case</b>	< +120°C: polypropylene > +160°C: painted aluminium
<b>Form</b>	135° angle
<b>Glass filling</b>	Blue spirit
<b>Connection</b>	1/2" BSP
<b>Pocket</b>	Brass (stainless steel available on request). Screw in.
<b>Pocket lengths</b>	63mm, 100mm, 160mm x Ø10mm

# VT030 - 135° angle V-line thermometers

## Product dimensions:



## Product numbers:

150mm case				
Range	Divs	63mm pocket	100mm pocket	160mm pocket
-30 to +50°C	1°C	86/093/0	86/095/0	86/096/0
-30 to +50°C&F	1°C	86/103/0	86/105/0	86/106/0
0 to +50°C	1°C	86/153/0	86/155/0	86/156/0
0 to +50°C&F	1°C	86/163/0	86/165/0	86/166/0
0 to +60°C	1°C	86/173/0	86/175/0	86/176/0
0 to +60°C&F	1°C	86/143/0	86/145/0	86/146/0
0 to +100°C	1°C	86/193/0	86/195/0	86/196/0
0 to +100°C&F	1°C	86/183/0	86/185/0	86/186/0
0 to +120°C	1°C	86/223/0	86/225/0	86/226/0
0 to +120°C&F	1°C	86/233/0	86/235/0	86/236/0
0 to +160°C	2°C	86/293/0	86/295/0	86/296/0
0 to +160°C&F	2°C	86/303/0	86/305/0	86/306/0
0 to +200°C	2°C	86/323/0	86/325/0	86/326/0
0 to +200°C&F	2°C	86/333/0	86/335/0	86/336/0

200mm case				
Range	Divs	63mm pocket	100mm pocket	160mm pocket
-30 to +50°C	1°C	83/093/0	83/095/0	83/096/0
-30 to +50°C&F	1°C	83/103/0	83/105/0	83/106/0
0 to +50°C	1°C	83/153/0	83/155/0	83/156/0
0 to +50°C&F	1°C	83/163/0	83/165/0	83/166/0
0 to +60°C	1°C	83/173/0	83/175/0	83/176/0
0 to +60°C&F	1°C	83/143/0	83/145/0	83/146/0
0 to +100°C	1°C	83/193/0	83/195/0	83/196/0
0 to +100°C&F	1°C	83/183/0	83/185/0	83/186/0
0 to +120°C	1°C	83/223/0	83/225/0	83/226/0
0 to +120°C&F	1°C	83/233/0	83/235/0	83/236/0
0 to +160°C	2°C	83/293/0	83/295/0	83/296/0
0 to +160°C&F	2°C	83/303/0	83/305/0	83/306/0
0 to +200°C	2°C	83/323/0	83/325/0	83/326/0
0 to +200°C&F	2°C	83/333/0	83/335/0	83/336/0



## APK012 - Replacement V-line pockets



### Product features:

- Available in brass or stainless steel
- 1/2" BSP connection (3/4" or 3/8" BSP, BSPT and NPT options available)
- With thread connection for straight and obtuse (135°) case and setting screw for angle (90°) case
- Brass or stainless steel pockets available in various lengths (see table)

### Product numbers:

Pocket length	1/2" BSP brass pockets	
	to fit straight V-line	to fit angle V-Line
30mm	95/603/0	95/616/0
40mm	95/602/0	95/617/0
50mm	95/613/0	95/618/0
63mm	95/600/0	95/607/0
75mm	95/614/0	95/619/0
100mm	95/601/0	95/608/0
160mm	95/604/0	95/612/0
200mm	95/615/0	95/609/0
250mm	95/605/0	95/623/0
400mm	95/606/0	95/624/0

Pocket length	1/2" BSP brass pockets	
	to fit straight V-line	to fit angle V-Line
30mm	95/658/0	95/660/0
40mm	95/656/0	95/655/0
50mm	95/649/0	95/661/0
63mm	95/650/0	95/653/0
75mm	95/659/0	95/662/0
100mm	95/651/0	95/654/0
160mm	95/652/0	95/663/0

## APK015 - V-line over-pockets



### Product features:

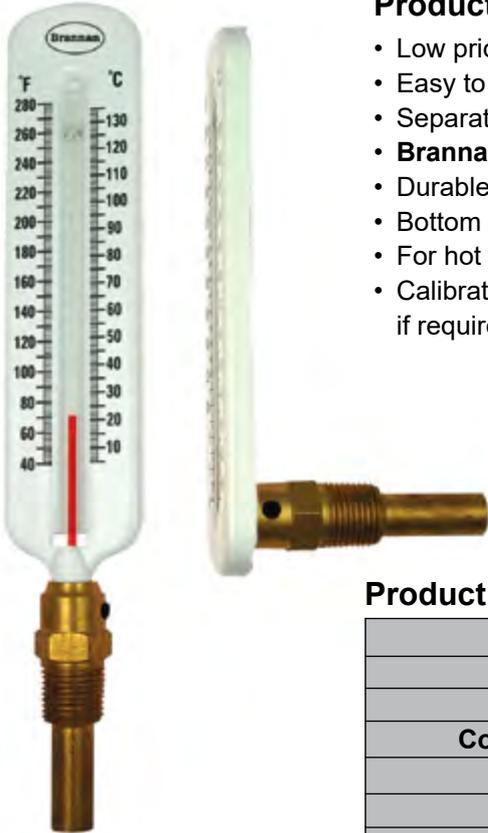
- Pockets / thermowells for use with V-line thermometers
- Allows V-line thermometers to be removed while system is filled
- Available in chrome plated mild steel or stainless steel
- For 1/2" BSP female x 1/2" BSP male V-lines
- Chrome plated mild steel over-pocket to suit 63mm or 100mm pockets
- Stainless steel over-pocket to suit 63mm, 100mm or 160mm pockets
- Stainless steel over-pocket for use with corrosive liquids

### Product numbers:

Pocket length	Chrome plated over-pockets	
	to suit 1/2" BSP 63mm pocket	to suit 1/2" BSP 100mm pocket
75mm	62/065/0	-
110mm	-	62/067/0

Pocket length	Stainless steel plated over-pockets		
	to suit 1/2" BSP 63mm pocket	to suit 1/2" BSP 100mm pocket	to suit 1/2" BSP 160mm pocket
75mm	62/068/0	-	-
110mm	-	62/070/0	-
170mm	-	-	62/071/0

# WT010 - Steel cased hot water thermometers



## Product features:

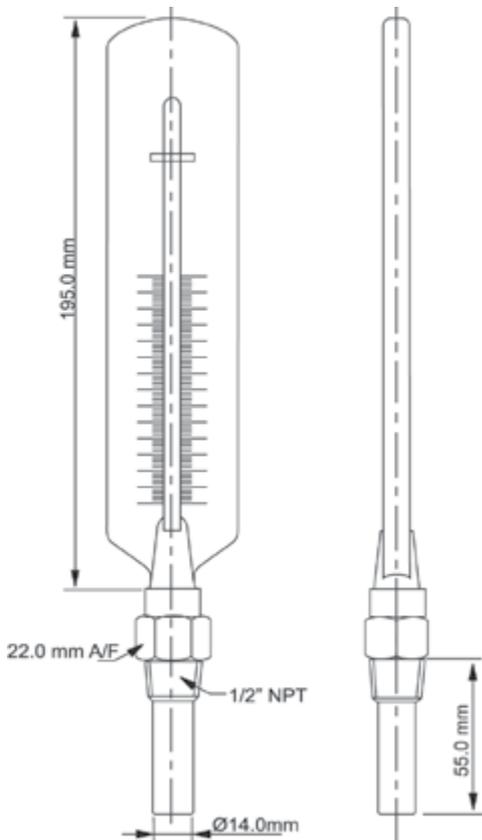
- Low price glass thermometer
- Easy to install
- Separate brass or lead free brass pocket
- **Brannan** quality and accuracy
- Durable and reliable – no moving parts
- Bottom or back connection
- For hot water and chilled water systems
- Calibration traceable to national standards or statement of conformity available, if required

## Product specifications:

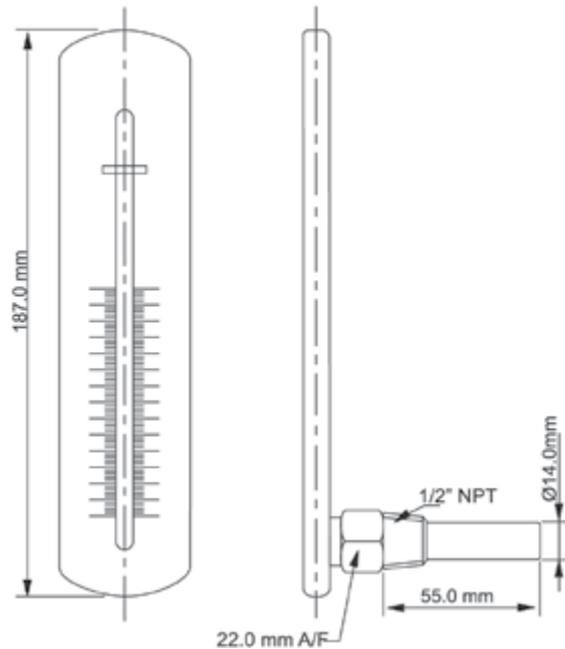
<b>Case</b>	183mm steel with white lacquer
<b>Tube</b>	Triangle tube with red liquid filling
<b>Window</b>	Glass
<b>Connection</b>	1/2" NPT
<b>Form</b>	Straight or 90° angle
<b>Stem</b>	Brass Ø14mm x 55mm
<b>Range</b>	+5 to +135°C&F
<b>Accuracy</b>	+/- 2%

## Product dimensions:

### Bottom entry



### Back entry



## Product numbers:

Connection	Product number
Bottom	200/001/0
Back	200/002/0





### Product features:

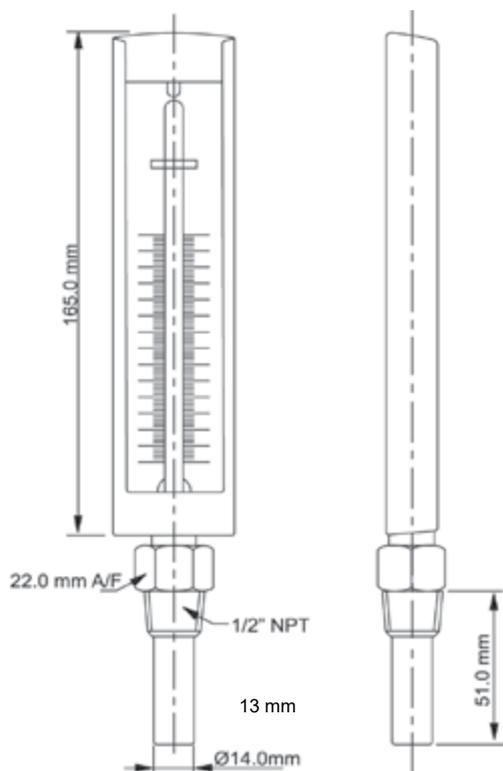
- Accurate, economically priced range
- Choice of temperature range, dual scale
- Supplied complete with brass pocket
- **Brannan** quality and accuracy
- Durable and reliable – no moving parts
- Bottom or back connection
- Heavy duty case with glass tube thermometer
- For hot water and chilled water systems
- Calibration traceable to national standards or statement of conformity available, if required

### Product specifications:

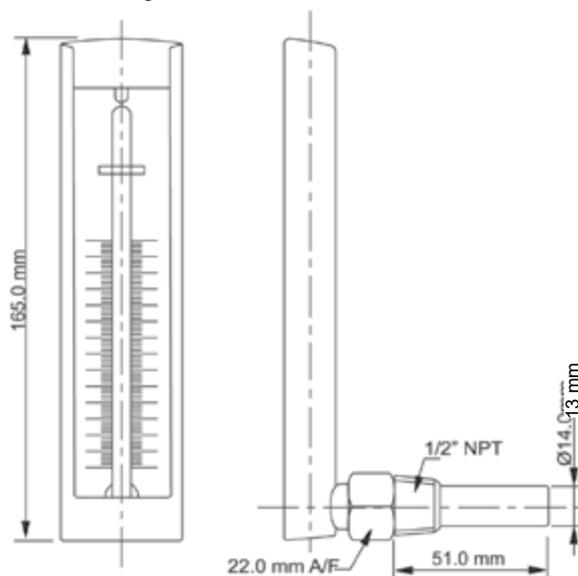
<b>Case</b>	166mm plastic (Valox)
<b>Tube</b>	Triangle tube with red liquid filling
<b>Window</b>	Glass
<b>Connection</b>	1/2" NPT
<b>Form</b>	Straight or 90° angle
<b>Stem</b>	Brass Ø13mm x 51mm
<b>Range</b>	-40 to +40°C&F through to +10 to +200°C&F
<b>Accuracy</b>	+/- 2%

### Product dimensions:

#### Bottom entry



#### Back entry



### Product numbers:

Range	Bottom entry	Back entry
-40 to +40°C&F	200/201/0	200/401/0
-5 to +80°C&F	200/202/0	200/402/0
0 to +110°C&F	200/203/0	200/403/0
0 to +150°C&F	200/204/0	200/404/0
+10 to +200°C&F	200/205/0	200/405/0

# WT030 - Industrial liquid-in-glass adjustable angle thermometers



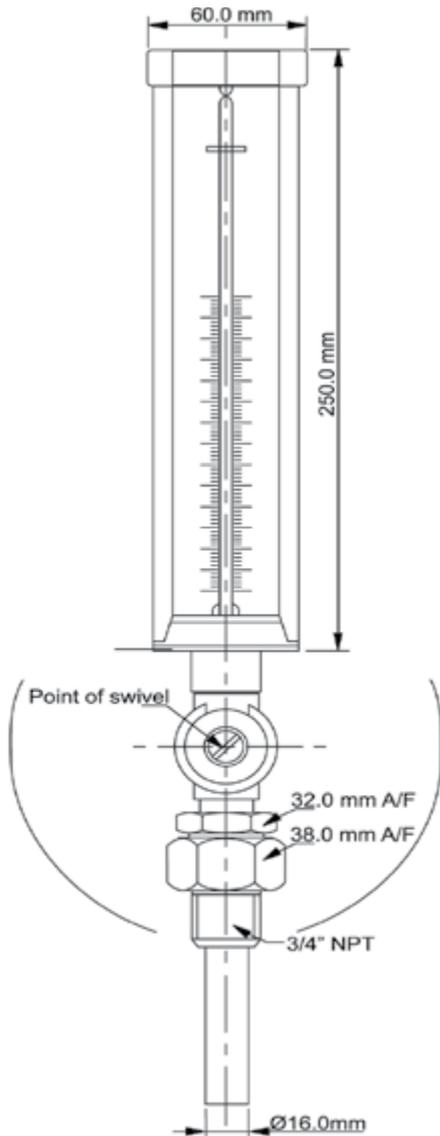
## Product features:

- 360 degree rotation case for easy installation and reading
- Heavy duty protective case with glass tube thermometer
- Durable and reliable – no moving parts
- Dual scale
- **Brannan** quality and accuracy
- Available with 90mm or 150mm stem length
- For hot water and chilled water systems
- Calibration traceable to national standards or statement of conformity available, if required

## Product specifications:

<b>Case</b>	250mm aluminium
<b>Design</b>	ASME B40.200
<b>Tube</b>	Triangle tube with red liquid filling
<b>Window</b>	Glass
<b>Form</b>	Variable angle
<b>Connection</b>	3/4" NPT
<b>Stem</b>	Aluminium Ø10.8mm x 90mm or 150mm stem
<b>Pocket</b>	Brass
<b>Ranges</b>	-40 to +100°F&C through to +50 to +400°F&C
<b>Accuracy</b>	+/- 1% between 30°F and 240°F, otherwise +/-2%
<b>Protection</b>	IP54

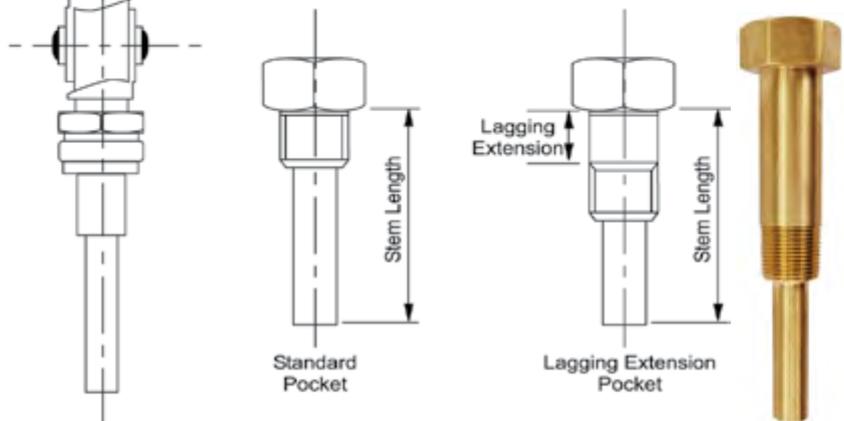
## Product dimensions:



## Product numbers:

90mm stem		
Range	Pocket with Standard pocket	Pocket with 25mm lagging ext
-40 to +110°F&C	200/501/0	200/501/1
0 to +160°F&C	200/506/0	200/506/1
+30 to +180°F&C	200/502/0	200/502/1
+30 to +240°F&C	200/503/0	200/503/1
+30 to +300°F&C	200/504/0	200/504/1
+50 to +400°F&C	200/505/0	200/505/1

150mm stem		
Range	Pocket with Standard pocket	Pocket with 63mm lagging ext
-40 to +110°F&C	200/601/0	200/601/1
0 to +160°F&C	200/606/0	200/606/1
+30 to +180°F&C	200/602/0	200/602/1
+30 to +240°F&C	200/603/0	200/603/1
+30 to +300°F&C	200/604/0	200/604/1
+50 to +400°F&C	200/605/0	200/605/1





# Accessories





## AGC010 - Brass gauge cocks

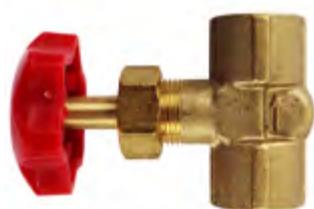
### Product features:

- Allows gauge to be isolated from pressure medium to protect against gauge failure
- Allows gauge to be removed for servicing
- Available with or without vent hole
- Maximum pressure 16 bar
- Other connections available on request

### Product numbers:

BSP Connection	Product number	
	Standard	With vent hole
3/8" BSP F & F	39/001/0	39/001/9
1/2" BSP F & F	39/003/0	39/003/9
1/4" BSP F & F	39/008/0	39/008/9
1/4" BSP M & F	39/200/0	39/200/9
3/8" BSP M & F	39/202/0	39/202/8
1/2" BSP M & F	39/203/0	39/202/9

NPT Connection	Product number	
	Standard	With vent hole
3/8" NPT F & F	39/207/0	39/207/9
1/2" NPT F & F	39/003/4	39/003/5
1/4" NPT F & F	39/206/0	39/206/9
1/4" NPT M & F	39/208/0	39/208/9
3/8" NPT M & F	39/209/0	39/209/9
1/2" NPT M & F	39/203/4	39/203/5



## ANV010 - Needle valves

### Product features:

- Brass isolation valve for pressure gauges
- Provides flow control for non-corrosive applications

### Product numbers:

Connection	Product number
1/4" NPT F & F	39/004/0
1/2" BSP F & F	39/004/1

## ATP010 - Self sealing test plugs

### Product features:

- Suitable for low temperature hot water, chilled water and low temperature steam
- Not for use on medium or high temperature hot water, oils or hazardous pressure media
- Available in range of connections and lagging extensions
- Not suitable for oil or other hydro-carbon fluids
- Max pressure: 35 bar
- Temperature range: -8 to +125°C
- Allows maximum probe diameter of 4mm
- For use on low pressure water systems



### Product numbers:

Connection	Product numbers
1/4" BSPT M	39/308/0
1/2" BSPT M	39/312/0
1/4" BSPT M with 50mm Lagging Extension	39/313/0
1/2" BSP M with 50mm Lagging Extension	39/314/0

## AAD015 - Pressure gauge to test plug adaptor



### Product features:

- 1/4" BSP female connection
- Available in brass or stainless steel

### Product numbers:

Connection	Product numbers
1/4" BSP F	39/309/0



## AAD010 - Brass pressure gauge adaptors



### Product features:

- Increase or decrease the thread size of the gauge connection
- Available in a wide range of connections, BSP to BSP or BSP to NPT, female to male
- Brass construction

### Product numbers:

Connection	Product numbers
1/8" BSP F x 1/8" NPT M	39/354/0
1/8" BSP F x 1/4" BSP M	39/351/0
1/8" BSP F x 1/4" NPT M	39/352/0
1/4" BSP F x 1/8" BSP M	39/358/0
1/4" BSP F x 1/8" NPT M	39/361/0
1/4" BSP F x 1/8" NPT M	39/355/0
1/4" BSP F x 3/8" BSP M	39/353/0
1/4" BSP F x 3/8" NPT M	39/362/0
1/4" BSP F x 1/2" BSP M	39/025/0
1/4" BSP F x 1/2" NPT M	39/363/0
3/8" BSP F x 1/4" BSP M	39/357/0
3/8" BSP F x 1/4" NPT M	39/359/0
3/8" BSP F x 3/8" NPT M	39/360/0
3/8" BSP F x 1/2" BSP M	39/021/0
3/8" BSP F x 1/2" NPT M	39/356/0
1/2" BSP F x 3/8" BSP M	39/366/0
1/2" BSP F x 3/8" NPT M	39/364/0
1/2" BSP F x 1/2" NPT M	39/365/0

## ASN010 - Porous type snubbers for pressure gauges



### Product features:

- Protects gauge from pressure spikes and pulsation
- Porous type snubber fitted with fixed mesh disc
- Extends life of pressure gauge
- Max working pressures: 1/4" - 100 bar  
3/8" - 135 bar  
1/2" - 340 bar

### Product numbers:

Connection	Product numbers
1/4" BSP M x 1/4" BSP F	39/303/1
1/4" NPT M x 1/4" NPT F	39/303/0
3/8" BSP M x 3/8" BSP F	39/303/3
3/8" NPT M x 3/8" NPT F	39/303/2
1/2" BSP M x 1/2" BSP F	39/303/5
1/2" NPT M x 1/2" NPT F	39/303/4

## APK010 - Pockets for thermometers (thermowells)

### Product features:

- Available in brass or stainless steel
- To suit stem lengths 50mm, 100mm or 150mm



### Product numbers:

Connection	Supplied as standard	Material	Product numbers		
			L=50mm	L=100mm	L=150mm
Sliding fit F x 1/2" BSP M	BT010, BT020	Brass	39/097/0	39/098/0	-
Sliding fit F x 1/2" BSP M	-	Stainless Steel	39/095/0	39/096/0	-
3/8" BSP F x 1/2" BSP M	XT020, XT025	Brass	39/121/0	39/122/0	39/123/0
3/8" BSP F x 1/2" BSP M	XT040, XT045	Stainless Steel	39/111/0	39/112/0	39/113/0
3/8" BSP F x 1/2" BSP M with 50mm Lagging Extensions	-	Brass	39/160/0	39/161/0	-
3/8" BSP F x 1/2" BSP M with 50mm Lagging Extensions	-	Stainless Steel	39/170/0	39/171/0	-
3/8" BSP F x 3/4" BSP M	-	Brass	39/124/0	39/125/0	39/120/0
3/8" BSP F x 3/4" BSP M	-	Stainless Steel	39/114/0	39/115/0	39/116/0
1/2" BSP M x 1/2" BSP M	-	Stainless Steel	-	-	39/141/0

## APK012 - Replacement V-line pockets



### Product features:

- Available in brass or stainless steel
- 1/2" BSP connection (3/4" or 3/8" BSP, BSPT and NPT options available)
- With thread connection for straight and obtuse (135°) case and setting screw for angle (90°) case
- Brass or stainless steel pockets available in various lengths (see table)

### Product numbers:

Pocket length	1/2" BSP brass pockets	
	to fit straight V-line	to fit angle V-Line
30mm	95/603/0	95/616/0
40mm	95/602/0	95/617/0
50mm	95/613/0	95/618/0
63mm	95/600/0	95/607/0
75mm	95/614/0	95/619/0
100mm	95/601/0	95/608/0
160mm	95/604/0	95/612/0
200mm	95/615/0	95/609/0
250mm	95/605/0	95/623/0
400mm	95/606/0	95/624/0

Pocket length	1/2" BSP brass pockets	
	to fit straight V-line	to fit angle V-Line
30mm	95/658/0	95/660/0
40mm	95/656/0	95/655/0
50mm	95/649/0	95/661/0
63mm	95/650/0	95/653/0
75mm	95/659/0	95/662/0
100mm	95/651/0	95/654/0
160mm	95/652/0	95/663/0

## APK015 - V-line over-pockets



### Product features:

- Pockets / thermowells for use with V-line thermometers
- Allows V-line thermometers to be removed while system is filled
- Available in chrome plated mild steel or stainless steel
- For 1/2" BSP female x 1/2" BSP male V-lines
- Chrome plated mild steel over-pocket to suit 63mm or 100mm pockets
- Stainless steel over-pocket to suit 63mm, 100mm or 160mm pockets
- Stainless steel over-pocket for use with corrosive liquids

### Product numbers:

Pocket length	Chrome plated over-pockets	
	to suit 1/2" BSP 63mm pocket	to suit 1/2" BSP 100mm pocket
75mm	62/065/0	-
110mm	-	62/067/0

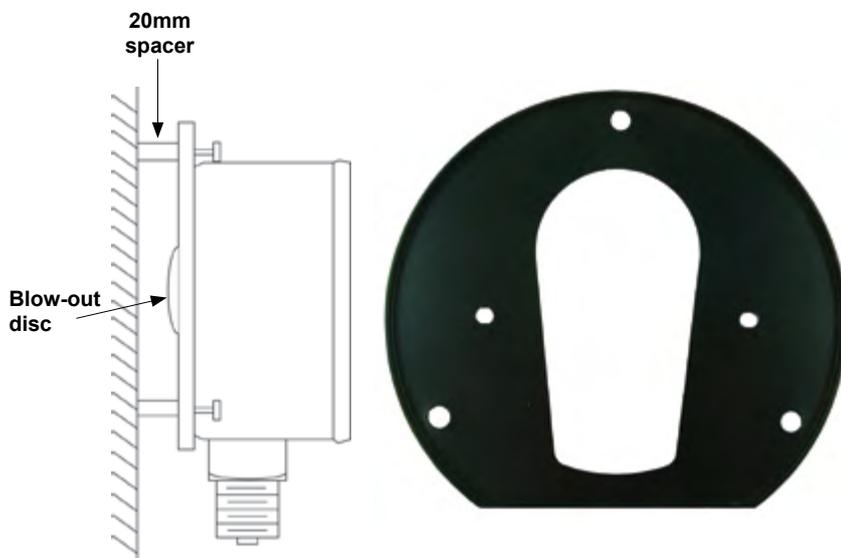
Pocket length	Stainless steel plated over-pockets		
	to suit 1/2" BSP 63mm pocket	to suit 1/2" BSP 100mm pocket	to suit 1/2" BSP 160mm pocket
75mm	62/068/0	-	-
110mm	-	62/070/0	-
170mm	-	-	62/071/0



## AFG010 - Black steel flanges for pressure gauges

### Product features:

- To suit 100mm and 150mm pressure or altitude gauges
- Supplied with plastic spacers to allow blow-out disc operation
- Supplied with instructions for fitting
- Suitable for use with PG020 pressure gauges



### Product numbers:

Gauge diameter	Product numbers
100mm	34/600/0
150mm	34/900/0

## AFG015 - Stainless steel flanges for pressure gauges

### Product features:

- Front or back flange available
- Suitable for use with PG030 pressure gauges



### Product numbers:

Gauge diameter	Back flange	Front flange
50mm	39/321/0	39/324/0
63mm	39/322/0	39/325/0
100mm	39/327/0	39/326/0

## ASU010/ASR010 - Syphons



### Product features:

- Available in choice of material
- Wide range of BSP (supplied with fixing nut) or NPT connections
- 25 bar max working pressure

### ASU010 - 'U' Syphons

#### Product numbers:

Material	Connection	Product numbers
Mild steel	1/4" BSP M x 1/4" BSP M	39/010/0
Mild steel	3/8" BSP M x 3/8" BSP M	39/011/0
Brass	3/8" BSP M x 3/8" BSP M	39/013/0
Mild steel	1/2" BSP M x 1/2" BSP M	39/012/0
Mild steel	1/4" NPT M x 1/4" NPT M	39/014/0
Stainless steel	1/4" NPT M x 1/4" NPT M	39/018/0
Stainless steel	1/4" BSP M x 1/4" BSP M	39/019/0
Stainless steel	3/8" BSP M x 3/8" BSP M	39/022/0
Mild steel	3/8" NPT M x 3/8" NPT M	39/041/0
Mild steel	1/2" NPT M x 1/2" NPT M	39/042/0
Stainless steel	1/2" NPT M x 1/2" NPT M	39/043/0
Stainless steel	3/8" NPT M x 3/8" NPT M	39/044/0
Stainless steel	1/2" BSP M x 1/2" BSP M	39/050/0

### ASR010 - Ring syphons

#### Product numbers:

Material	Connection	Product numbers
Mild steel	3/8" BSP M x 3/8" BSP M	39/015/0
Mild steel	1/2" BSP M x 1/2" BSP M	39/016/0
Mild steel	1/4" NPT M x 1/4" NPT M	39/020/0
Stainless steel	3/8" BSP M x 3/8" BSP M	39/023/0
Mild steel	1/4" BSP M x 1/4" BSP M	39/024/0
Stainless steel	1/4" NPT M x 1/4" NPT M	39/029/0
Stainless steel	1/4" BSP M x 1/4" BSP M	39/031/0
Mild steel	3/8" NPT M x 3/8" NPT M	39/045/0
Mild steel	1/2" NPT M x 1/2" NPT M	39/046/0
Stainless steel	1/2" NPT M x 1/2" NPT M	39/047/0
Stainless steel	3/8" NPT M x 3/8" NPT M	39/048/0
Stainless steel	1/2" BSP M x 1/2" BSP M	39/049/0





# Digital meters



# Electronic probe test thermometers

Brannan offer a wide range of digital instruments for a variety of applications. All instruments are supplied with batteries and full operating instruction and are available with calibration certificate.

The following are suitable for a variety of applications:

- Air conditioning
- Food processing & storage
- Heating & ventilation
- Agriculture
- Energy Management
- Brewing
- Petrocarbons
- Laboratory
- Photography
- Refrigeration
- Pharmaceutical
- Process Control

## High precision, waterproof thermometer

Hand held thermometer **waterproof to IP68**. 1.35m cable with 150mm stainless steel probe. High/Low alarm, data hold and max min recording functions. Complete with hanger, stand and magnetic fixtures. Supplied complete with calibration certificate. Range: -40 to +300°C&F  
LCD dimensions: 20mm x 32mm  
Dimensions: 106mm x 54mm x 23mm  
**Product number: 38/600/0**



## Water resistant test thermometer

Water resistant thermometer to IP65. With max min memory and hold functions. 105mm stainless steel probe. Supplied with pocket case and clip. Range: -40 to 200°C&F  
Dimensions: 218 x 23 x 18mm  
LCD dimensions: 8 x 18mm  
**Product number: 31/162/0**  
**Therm-cert product number: TC-004**



## Folding probe test thermometer

Probe thermometer with data hold function and 85mm stainless steel probe which folds in and out of the body of the thermometer for protection. Waterproof to IP65. Range: -50 to +250°C&F  
LCD dimensions: 15mm x 32mm  
Dimensions: 45mm x 125mm x 18mm (closed)  
**Product number: 31/175/0**  
**Therm-cert product number: TC-002**



### Therm-cert Instrument

Folding probe and water resistant test thermometers are available pre-calibrated as part of **Therm-cert** range. See calibration section of this catalogue for details.



**Brannan** offer a wide range of infrared instruments for a variety of applications. The meters' field of view, or Distance to Spot (D:S) indicates the distance required from the target spot. For example, where the field of view is 30:1, the product should be 30cm from the target area. The diameter of the target must be at least 1cm. The instruments come complete with factory certificate of calibration (except 38/720/0), battery, protective bag and full instructions. 3 point traceable calibration certificates available on request (Ref: 49/709/0 - additional charge applies).

## Pocket infrared thermometer

Pocket infrared thermometer supplied with wrist strap.  
 Range: -50 to +260°C&F  
 Distance to spot: 2:1  
 Accuracy: +/-2°C  
 LCD dimensions: 19mm x 27mm  
 Dimensions: 92.5mm x 45mm x 29.5mm  
**Product number: 38/719/0**



## Standard infrared thermometer

A simple and stable instrument providing easy and safe temperature measurement with built in laser targeting and max min recording function.  
 Range: -50 to +350°C&F  
 Distance to spot: 13:1  
 Accuracy: +/-2°C  
 LCD dimensions: 26mm x 25mm  
 Dimensions: 155mm x 99mm x 27mm  
**Product numbers: 38/701/0**



## Compact infrared thermometer

Simple and compact instruments with built in laser targeting.  
 Range: -50 to +500°C&F  
 Distance to spot: 12:1  
 Accuracy: +/-2°C  
 LCD dimensions: 24mm x 26mm  
 Dimensions: 134mm x 89mm x 36mm  
**Product numbers: 38/703/0**



## Advanced, dual laser infrared thermometer

High specification, dual laser infrared thermometer with precise infrared measurement using built in laser pointers and K-type input capabilities. Supplied with standard K-type thermocouple and compatible with full range of **Brannan's** K-type thermocouple probes.  
 Range: -50 to +1050°C&F  
 K-type range: -50 to 1370°C&F  
 Distance to spot: 30:1  
 Accuracy: +/-2°C  
 LCD dimensions: 35mm x 35mm  
 Dimensions: 192mm x 97mm x 59mm  
**Product numbers: 38/706/0**  
 Replacement thermocouple: **38/698/0**



## Infrared thermometer with multi-spot laser

Infrared thermometer with 13 laser spots to increase targeting accuracy. Max min recording function.  
 Range: -30 to +950°C&F  
 Distance to spot: 30:1  
 Accuracy: +/-2°C  
 LCD dimensions: 30mm x 26mm  
 Dimensions: 155mm x 99mm x 27mm  
**Product number: 38/707/0**



# Infrared thermometers

## Thermal imager visual infrared thermometer

Visual Infrared thermometer with hot and cold spot temperature markers to guide user to the hottest and coldest area in the infrared heat map. Functions include image capture and SD storage card, USB edge PC for picture reading, selectable colour palettes.

Supplied complete with factory certificate of calibration and presented in protective box.

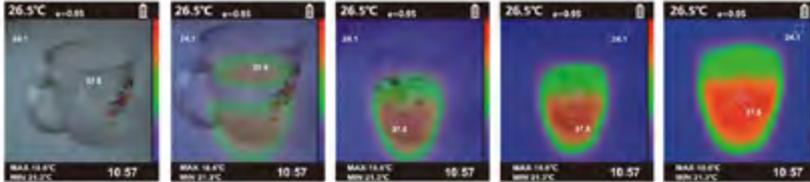
Range: -20 to +300°C&F

Accuracy\*: +/-2%

LCD dimensions: 50mm x 38mm

Dimensions: 223mm x 88mm x 65mm

Product number: 38/709/0



## Infrared body temperature thermometer

Non-contact and hygienic infrared thermometer designed to take the body temperature of a person regardless of room temperature. Ideally suited for use in schools, offices or other workplaces or environments where a large number of people are coming into contact with one another. Features include selectable body or surface temperature and switchable °C/°F readout, alarm value setting, trigger lock and data hold.

Memory recall: 32 measurements

Body temperature range: +32 to +42.5°C&F

Surface temperature range: 0 to +60°C&F

LCD dimensions: 28 x 24mm

Dimensions: 149 x 77 x 43mm

Product number: 11/400/3



## Automatic, non contact, rapid test, infrared temperature scanner

Robust thermometer which can be wall mounted or positioned on a tripod\*, situated in a position where a high number of people are entering a premises and capable of taking multiple temperature readings within a short period of time.

Automatic reading provides hygienic, non contact measurement and eliminates the need for a member of staff to approach visitors. Ideally suited for the entrance to factories, retail shops, office buildings, gyms, schools, etc.

Infrared body range: +34 to +43°C

Dimensions: 171 x 115 x 140mm

LCD dimensions: 24 x 58mm

Product numbers:

Temperature scanner: 14/100/0

\*Scanner tripod: 14/100/1

\*Rechargeable battery: 14/100/2

\*Additional charge applies

**Please note:** This is not a medical device and should not be used for diagnostic purposes.

We recommend the use of a medical body thermometer to confirm high temperature readings.



brannan.co.uk



sales@brannan.co.uk



**Brannan** is pleased to introduce a co-ordinating range of mini, hand held, environmental instrumentation to measure wind speed, sound levels, light, humidity and temperature. All instruments are supplied complete with factory certificate of calibration, battery and full instructions. All electronic instruments are CE, WEEE and RoHS compliant. Full certification is available at [brannan.co.uk](http://brannan.co.uk).



### Thermo-moisture meter

Simultaneous measurement and display of moisture and temperature readings. Suitable for use on woods, bamboo, paper, wood fibre articles and building materials. Large color LCD. Moisture level indication by tricolor LED bar graph. Flashlight, max min and data hold, auto power off. Supplied in protective pouch with calibration certificate and 2pcs replaceable electrode pins.

Wood range: 5 to 70%RH  
 Temperature range: -20 to 70°C&F  
 Other: 0.1 to 2.4%RH  
 Accuracy: +/-0.5%RH  
 LCD dimensions: 35mm x 28mm  
 Dimensions: 130mm x 56mm x 30mm  
**Product number: 13/450/0**



### Mini thermo-sound level meter

Mini meter to measure sound level with colour LCD. Max min and data hold functions.

Ranges: 35 to 135db  
 Accuracy: +/-2.0dB  
 LCD dimensions: 30mm x 28mm  
 Dimensions: 144mm x 56mm x 30mm  
**Product number: 13/471/0**  
 Traceable calibration: **49/706/0\***



### Mini thermo-anemometer

Wind speed meter to measure air velocity with colour LCD. User selectable units, max min and data hold functions.

Ranges: 0.4 to 30 m/s, 1.4 to 108 km/s,  
 0.9 to 67 Mph & 0.8 to 88 knots  
 Accuracy: +/-0.3% rdg  
 LCD dimensions: 30mm x 28mm  
 Dimensions: 178mm x 56mm x 30mm  
**Product number: 13/470/0**  
 Traceable calibration: **49/705/0\***

### Mini thermo-humidity meter

A digital instrument which has been designed to combine the functions of a thermometer and humidity meter. Features user selectable units, max min recording and data hold function and colour LCD.

Temperature range: -30 to 70°C&F  
 Humidity range: 0 to 100%RH  
 Accuracy: +/-2.5°C&F / 2%RH  
 LCD dimensions: 30mm x 28mm  
 Dimensions: 168mm x 56mm x 30mm  
**Product number: 13/473/0**  
 Traceable calibration: **49/708/0\*\***



### Mini thermo-light meter

Hand held meter to measure illuminance. Silicone photo-diode with spectral response filter. Features include max min recording, colour LCD and user selectable units.

Ranges: 0 to 200 klux & 0 & 20 kFc  
 Accuracy: +/-3% rdg  
 LCD dimensions: 30mm x 28mm  
 Dimensions: 175mm x 56mm x 30mm  
**Product number: 13/472/0**  
 Traceable calibration: **49/707/0\***

### Carbon dioxide detector

The **Brannan** carbon dioxide detector measures Carbon Dioxide (CO<sub>2</sub>), air temperature and humidity. The device helps measure ventilation in enclosed spaces such as classrooms, offices, and hospitality venues, and helps in the fight against the spread of contagious disease such as Covid-19.

CO<sub>2</sub> concentration range: 0 to 9999ppm  
 Accuracy: +/-5% rdg  
 LCD dimensions: 49mm x 38mm  
 Dimensions: 100mm x 60mm x 48mm  
**Product number: 38/920/0**



\*Additional charge applies



## Professional, 5-in-1, multi-functional, environmental meter

5-in-1 meter designed to measure sound, light, wind speed, humidity and temperature, suitable for professional and home use. Max min and data hold functions. Supplied in robust carry case with calibration certificate.

Application	Range	Accuracy
Temperature	-40 to 70°C&F	+/- 2°C&F
Humidity	10 to 95%RH	+/- 5%RH
Sound	35 to 130dB	+/- 2dB
Light	0 to 400kLux / 0 to 40kFc	+/- 3% rdg
Air velocity	0.3 to 45.0m/s, 1.0 to 162km/hr, 59 to 885ft/min, 0.5 to 87.5knots & 0.6 to 100.6Mph	+/-3% rdg

LCD dimensions: 55mm x 45mm  
Dimensions: 252mm x 66mm x 33mm

Product number: **13/464/0**

Traceable calibration: **49/704/0\***

Replacement vanes available: Lightmeter: **13/464/1**,  
Anemometer: **13/464/2**, Thermo-hygrometer: **13/464/3**  
Replacement carry case: **13/092/0**



Digital instrumentation



## K-type/J-type 4-input thermocouple thermometer

A professional instrument with 4 inputs providing up to 4 simultaneous readings from J-Type or K-type thermocouples sensors. Readout in °C, °F or Kelvin. Supplied complete with carry case and basic K-type beaded wire thermocouples. Compatible with all Brannan K-Type probes.

Beaded probe range: -50 to 330°C&F

K-Type range: -200 to 1372°C&F\*\*

J-Type range: -210 to 1100°C&F\*\*

Accuracy: +/-0.15% rdg +1°C&F

LCD dimensions: 55mm x 45mm

Dimensions: 184mm x 66mm x 33mm

Product number: **38/685/0**



## K-type probes

Brannan range of stainless steel K-Type probes widen the temperature range of compatible products and also improve access to objects to be measured where more remote reading is required due to limited accessibility or for safety reasons.

### 1. K-type probe for contact/surface

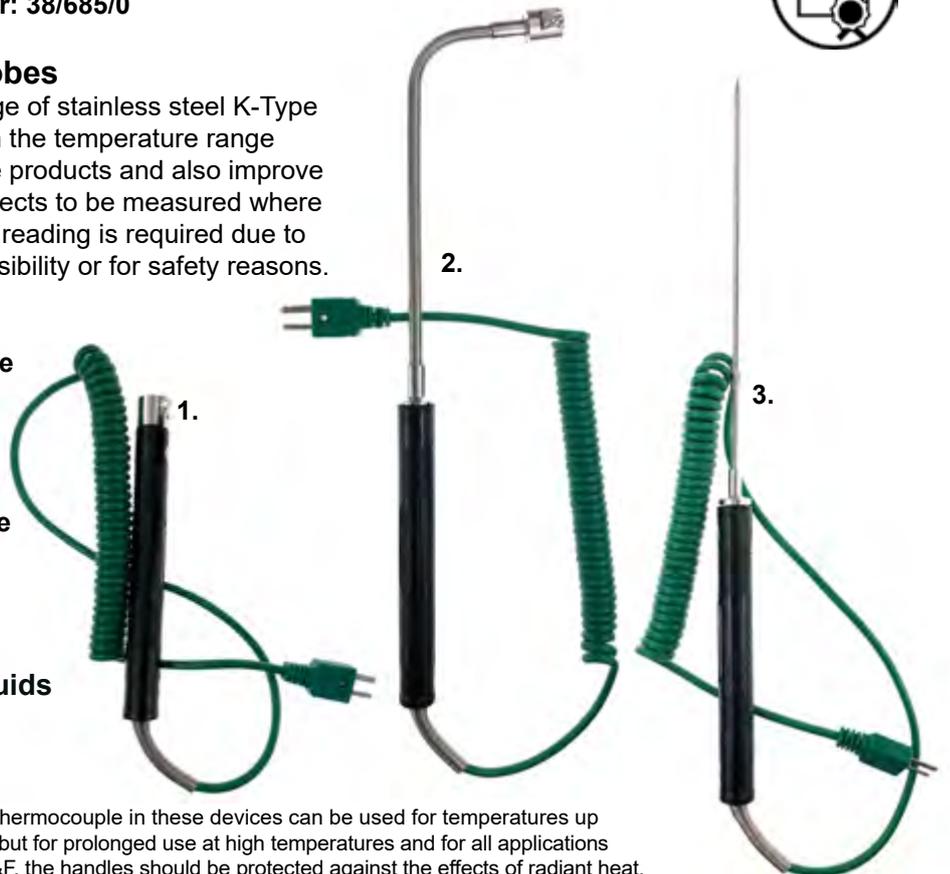
K-type set into 115mm handle.  
Range: -50 to +450°C&F  
Product number: **38/693/0**

### 2. K-type probe for contact/surface

210mm probe with 130mm handle.  
Range: -50 to +450°C&F  
Product number: **38/692/0**

### 3. K-type probe for solids & liquids

200mm probe with 130mm handle.  
Range: -50 to +800°C&F\*\*  
Product number: **38/690/0**



\*\* Note: The thermocouple in these devices can be used for temperatures up to +800°C&F, but for prolonged use at high temperatures and for all applications above 500°C&F, the handles should be protected against the effects of radiant heat.

Measurement for life.



## Digital timers

**Brannan** have a wide range of timers and counters which can be used in a variety of applications. All models are supplied with batteries and operating instructions. All electronic instruments are CE, WEEE and RoHS compliant. 3 point UKAS calibration is available for timers, on request (Ref: **49/650/0** - additional charge applies). Please contact our sales team for further details.

### Large timer

99 minute, 59 second count down and up timer with 12 hour clock, alarm and memory function. Complete magnetic fixings. Dimensions: 70mm x 80mm x 20mm  
LCD Dimensions: 38mm x 64mm  
**Product number: 28/203/0**



### Four way timer & clock

99 minutes, 59 seconds, four timers in one compact unit. 24 hour countdown and up. 12/24 hour clock. Counter automatically continues to count up when countdown time reached. Magnetic back clip and stand. LCD dimensions: 23mm x 55mm  
Dimensions: 70mm x 88mm x 25mm  
**Product number: 28/220/0**

### Count up & count down digital tally counter

Robust tally counter ideal for counting customers in and out of a venue. Count: 0 to 9999  
LCD dimensions: 6mm x 19mm  
Dimensions: 71mm x 45mm x 15mm  
**Product number: 28/504/0**



### Standard oral clinical thermometer

Easy to use clinical thermometer supplied in protective case for professional or personal use. Suitable for use with Brannan disposable probe covers. Range: +32 to +42.9°C  
LCD dimensions: 6mm x 18mm  
Dimensions: 133mm x 24mm x 14mm  
**Product number: 11/064/2**  
Disposable probe covers: **11/066/0**



### Digital bath and shower thermometer

The **Brannan** hydro powered, digital bath and shower thermometer registers water temperature as it flows through the shower unit, in real time. Perfect for care homes or hospitals, this battery-free unit is also ideal for both domestic use or hospitality, thanks to its elegant design and premium finish. 360° rotatable, waterproof LED. Compatible with most taps. Range: 0 to +100°C  
LCD dimensions: 20mm x 34mm  
Dimensions: 81mm x 80.6mm x 30mm  
**Product number: 18/100/2**



# Digital maximum minimum thermometers



**Brannan** is pleased to announce the introduction of a range of robust, digital max min thermometers, uniquely developed to meet Brannan's exacting accuracy and specifications.

These models all show maximum, current and minimum readings simultaneously and are supplied with battery and operating instructions.



## Digital 'quick set' max min thermometers

Robust, digital max min thermometer, developed by Brannan to resemble the traditional liquid-in-glass style, quick-set, push button max min thermometers. Available in white or green case.

Range: -20 to +50°C&F

LCD dimensions: 15.3mm x 52.3mm\*

Dimensions: 208mm x 70mm x 35mm

### Product features:

- Maximum, current and minimum readings simultaneously
- Celsius or Fahrenheit switchable readings
- Clear, easy to read LCD
- Hanging hook
- Customer branding available (MOQs apply)

**Product number: White case - 12/430/3**

**Green case - 12/431/3**

## Waterproof digital 'Classic' max min thermometer

Robust, digital max min thermometer, designed to resemble traditional liquid-in-glass style max min but with waterproof housing - suitable for indoor or outdoor use.

Housed in grey case.

Range: -20 to +50°C&F

LCD dimensions: 15.3mm x 52.3mm\*

Dimensions: 210mm x 70mm x 20.5mm

### Product features:

- Waterproof to IP66
- Maximum, current and minimum readings simultaneously
- Celsius or Fahrenheit switchable readings
- Clear, easy to read LCD
- Hanging hook
- Customer branding available (MOQs apply)

**Product number: 12/434/3**

\* current temperature display





# Calibration services



# Calibration services

To complement the production facilities at **Brannan**, a comprehensive calibration service is available for a variety of instruments such as digital max/mins and weatherstations, fridge or freezer thermometers and wall thermometers. In addition, we are able to calibrate many other measuring instruments, including pressure gauges and hydrometers.



This service is available, for an additional charge, at time of product's purchase or for customers own existing instruments. Please contact our Sales Team to discuss the suitability of your instrument for calibration.

## What is a calibration and why calibrate?

- A calibration is a procedure in which an instrument is tested to ensure it conforms with a recognised standard and is used to verify the accuracy of an instrument.
- By comparing an instrument of a known value against a second instrument (unit under test), the difference can be calculated and suitable corrections determined.
- Calibration points can be drawn on a graph and joined together to form a calibration curve. This allows the user to estimate the corrections at points where a calibration value has not been measured.

## Re-calibration service

We offer a re-calibration service for customers' own instruments. The calibration frequency for a specific thermometer is up to the individual customer however it should be based on factors such as:

- The environment in which the instrument is used.
- The frequency of use.
- The level of confidence required in the readings taken from the customers' process.

## UKAS accredited laboratory



- Our facilities conform to (BS) EN ISO/IEC 17025 : 2017 – 'General requirements for the competence of testing and calibration laboratories'.
- Certification is available for test temperatures between -60°C and 250°C.
- Certificates are produced with reference to the International Temperature Scale of 1990 (ITS-90).



In addition to our UKAS accredited calibration laboratory, we have the capability of providing calibration certificates traceable to national standards for many other instruments or statement of conformity.

## THERM-cert range

**Brannan** are pleased to introduce a range of high accuracy, digital thermometers which are supplied pre-calibrated at two fixed points. The **THERM-cert** instruments are available with short lead time and delivery.



All of our prices are competitive and quantity discounts apply. Please contact us for further details on the above, the most suitable calibration for your instrument or to discuss other instruments suitable for certification.

View our certification online: [brannan.co.uk/downloads](http://brannan.co.uk/downloads)



You can find **Brannan** instrumentation in airports, stadiums, hotels, hospitals and many other builds. Through our distributor network Brannan products have been selected some of the most prestigious constructions in the world.

Here's just a few examples:



**Al Faisaliya Tower, Saudi Arabia**



**Kingdom Centre, Saudi Arabia**



**Changi Airport, Singapore**



**NHS Nightingale, London**



**Bank Med HQ, Beirut**



**Shangri-La Hotel, Singapore**



**Meydan Racecourse, Dubai**



**22 Bishopsgate, London**

# Projects



**Kuwait Airport, Terminal 2**



**Roshn Housing Villas, Saudi Arabia**



**The Turf Club, Singapore**



**Al Serafi Mega City, Saudi Arabia**



**Luton Airport, London**



**Rove La Mer, Dubai**



**King Abdullah Financial District, Saudi Arabia**



**Principle Place, London**

To find out more about these projects and view many more, visit [brannan.co.uk/about-brannan/projects/](http://brannan.co.uk/about-brannan/projects/)

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ISO 9001 Quality Management System  
UKAS calibration laboratory  
5 year warranty**

# Quality.

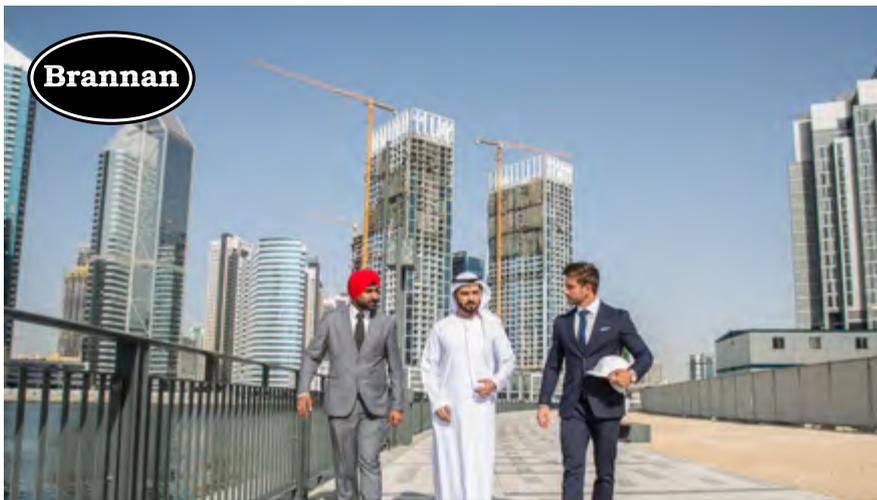


**Manufacturing since 1913  
Blue chip customer  
Family owner  
EU market leader  
Worldwide distribution**

# Reliability.

Measurement for life.





**Value engineering**  
**Whole life cost**  
**ISO 14001 Environmental Management System**  
**Eliminate, re-use, recycle**  
**Premium materials, premium quality**

# Sustainability.



**Brannan quality management system**  
**Supplier audit**  
**Ethical business**  
**Continuous improvement**  
**International standards**

# Traceability.

Measurement for life.



Check out our other catalogues, available to download online now from [brannan.co.uk](http://brannan.co.uk):

### Science & Education catalogue



- Laboratory thermometers
- Hydrometers
- Hygrometers
- Digital meters
- Environmental meters
- Data loggers
- Pocket thermometers
- Timers & counters
- Scientific accessories

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### Catering catalogue



- Food & beverage thermometers
- Freezer freezer thermometers
- Oven thermometers
- Timers
- Catering accessories

Measurement for life.



### Home and garden catalogue



- Wall thermometers
- Max min thermometers
- Home cooking instruments
- Garden & outdoor
- Calibration services

Measurement for life.



### Medical catalogue



- Healthcare & medical
- Veterinary instruments
- Calibration services

Measurement for life.



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