

# Product data sheet

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

☎ +44 (0)1946 816600

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## BT020 - Bimetal Thermometers with Bezel



### 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
- For dry indoor installations
- Wide range of associated accessories available

### Standard product specifications:

<b>Dial diameters</b>	80mm & 100mm
<b>Design</b>	BS EN 13190
<b>Accuracy class</b>	2 (for 1% accuracy class - see BT045)
<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
<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>	80mm dia: 50mm & 100mm 100mm dia: 50mm, 100mm & 150mm (other stem lengths on request, ie 200, 250 & 300mm)
<b>Sensor mechanism</b>	Standard bimetal coil
<b>Window</b>	PMMA
<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

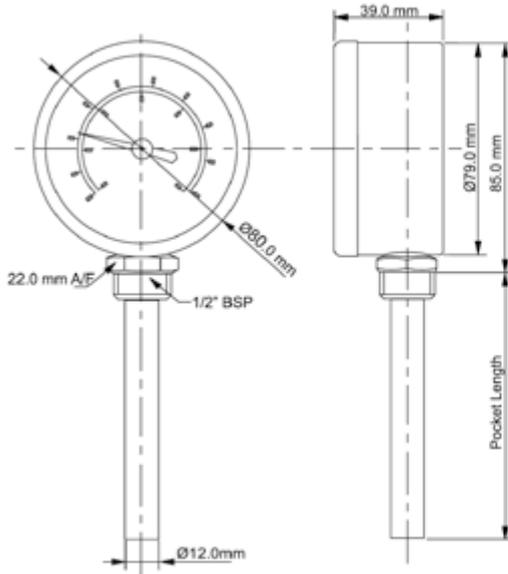
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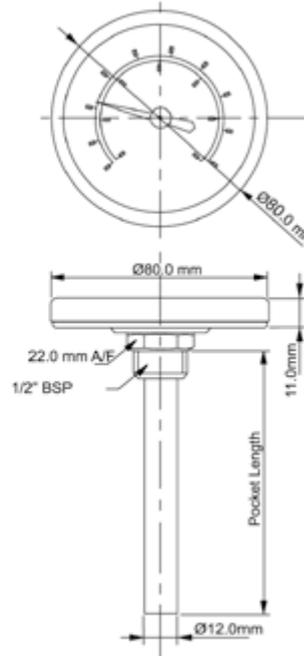
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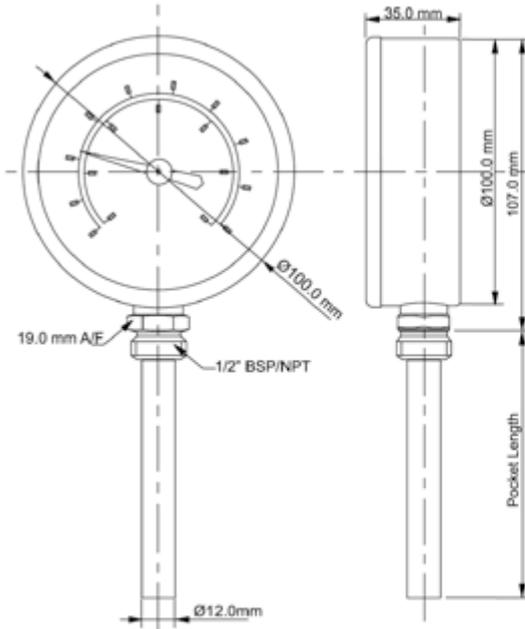
Dimensions: 80mm Dial thermometer - bottom entry



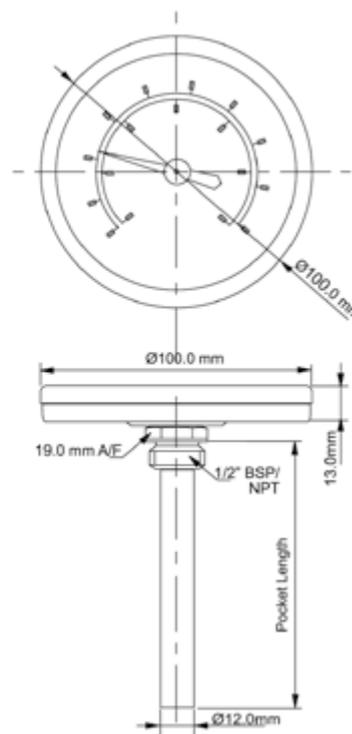
80mm Dial thermometer - back entry



100mm Dial thermometer - bottom entry



100mm Dial thermometer - back entry



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## Standard 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.

80mm Diameter dial thermometers				
Range °C&F	Bottom connection Pocket length		Back connection Pocket length	
	50mm	100mm	50mm	100mm
-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

100mm Diameter dial thermometers						
Range °C&F	Bottom connection Pocket length			Back connection Pocket length		
	50mm	100mm	150mm	50mm	100mm	150mm
-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

100mm Diameter - 1/2" NPT connection		
Range °C&F	Bottom connection Pocket length	
	50mm	100mm
-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	No of points	Product number
UKAS	3pt	49/070/0
Traceable to National Standards	1pt	49/099/0
	3pt	49/101/0
	4pt	49/104/0
	5pt	49/105/0

## Weights and packaging dimensions:

	80mm Bottom connection		80mm Back connection	
	50mm Pocket	100mm Pocket	50mm Pocket	100mm Pocket
Dial net weight	190.0g	225.0g	130.0g	165.0g
Box weight	45.0g	45.0g	35.0g	40.0g
Gross weight	235.0g	271.0g	165.0g	205.0g
Box dimensions	90 x 90 x 190mm	90 x 90 x 190mm	90 x 90 x 75mm	90 x 90 x 135mm

	100mm Bottom connection			100mm Back connection		
	50mm Pocket	100mm Pocket	150mm Pocket	50mm Pocket	100mm Pocket	150mm Pocket
Dial net weight	225.5g	259.5g	264.0g	151.0g	183.0g	189.0g
Box weight	54.0g	67.0g	83.5g	51.5g	67.0g	83.5g
Gross weight	282.0g	329.5g	349.5g	205.5g	252.0g	274.0g
Box dimensions	175 x 115 x 59mm	225 x 115 x 59mm	275 x 115 x 59mm	75 x 118 x 115mm	135 x 118 x 115mm	185 x 118 x 115mm

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## Pockets for thermometers (Thermowells):

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



## Standard product numbers:

Connection	Supplied as standard	Material	Product no		
			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

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