

Product data sheet

✉ sales@brannan.co.uk

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XT025 - LIQUID EXPANSION THERMOMETER WITH CAPILLARY

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



Standard product specifications:

Dial diameters	100mm & 150mm
Design	BS EN 13190
Accuracy class	2
Ranges	-20 to +60°C&F through to 0 to +250°C&F
Case	Black steel
Bezel	304 Stainless Steel
Connection	1/2" BSP bottom connection with back flange or back connection with front flange
Stem lengths	75mm, 150mm & 200mm
Pockets	50mm, 100mm & 150mm Brass (SS 304 or SS316 available on request)
Capillary	1.5m, 3m & 5m Ranges up to +200°C - plastic coated bronze. Ranges over +200°C - full copper capillary
Sensor mechanism	Liquid expansion (Kerosene filling)
Window	PMMA
Pointer	Black plastic
Filling	Dry
Operating temperature	0 to +40°C (higher or lower 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

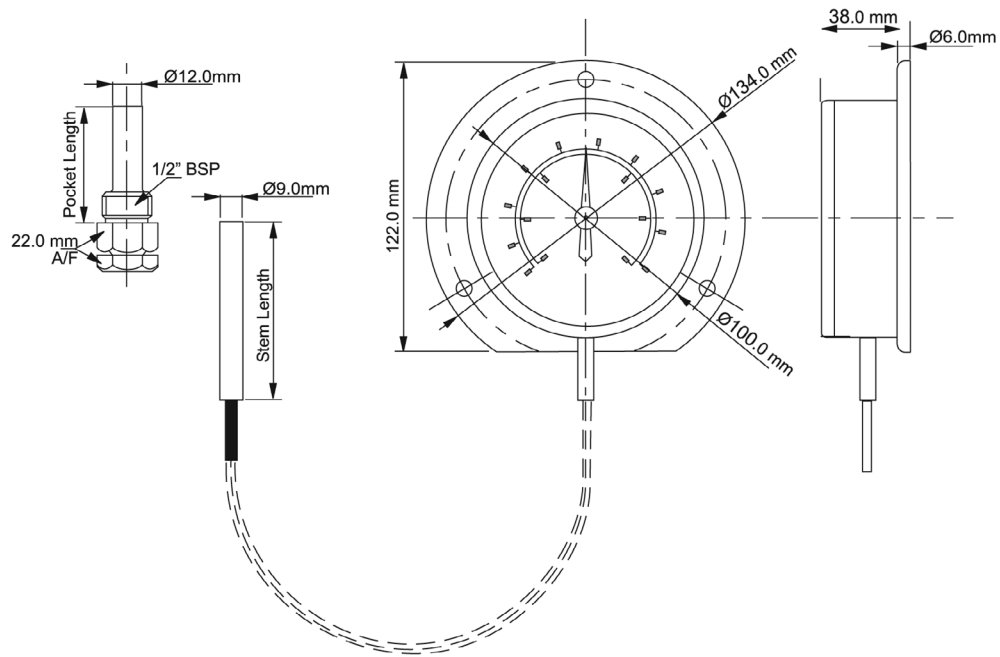
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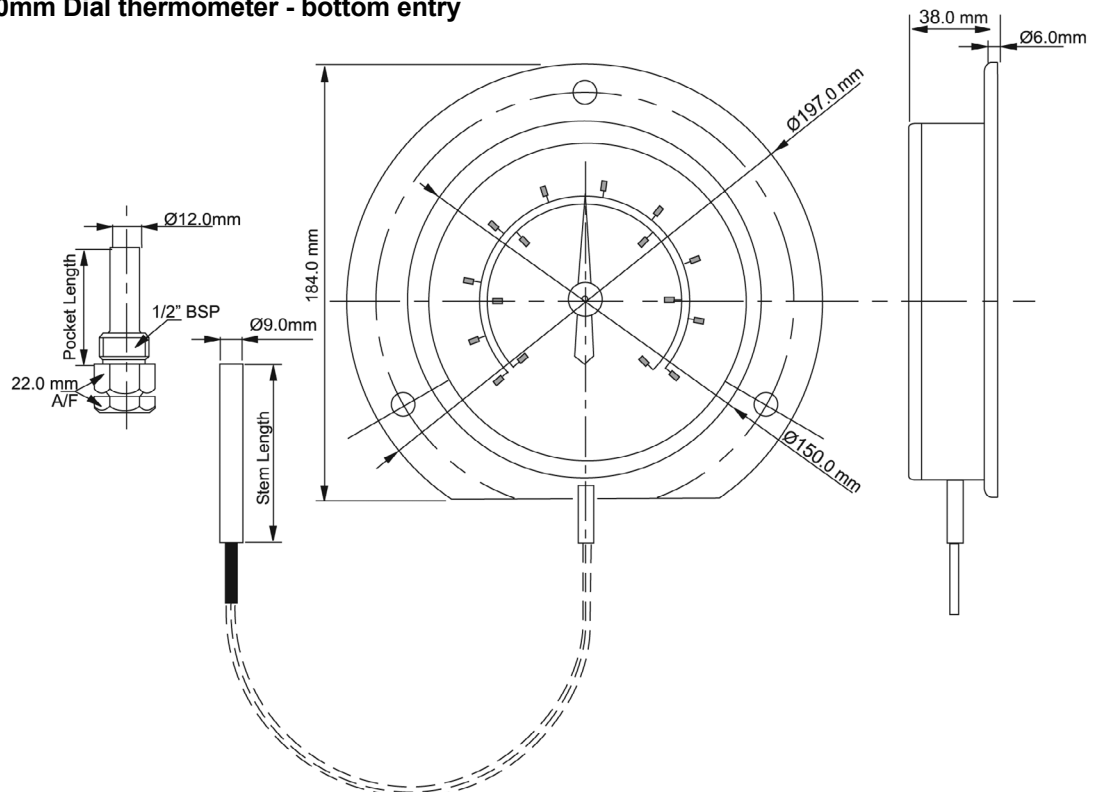
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Dimensions: 100mm Dial thermometer - bottom entry



150mm Dial thermometer - bottom entry



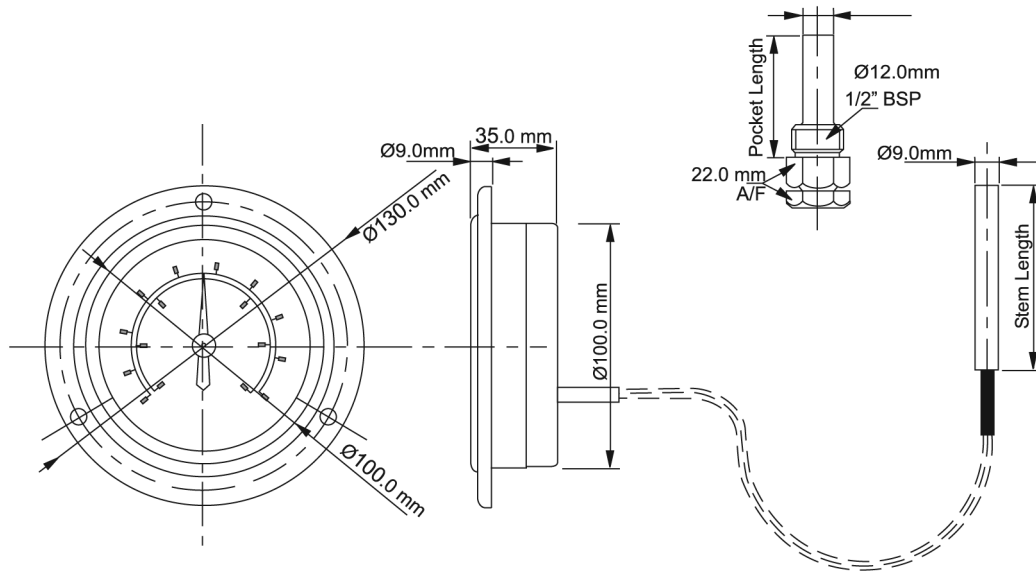
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Dimensions: 100mm Dial thermometer - back entry



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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.

100mm Diameter 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

150mm Diameter 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

100mm Diameter dials - back entry (with front 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

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 on request

Measurement for life.



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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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