

Commercial liquid expansion dial thermometer



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
- For dry indoor installations
- Wide range of associated accessories available
- **Brannan** quality and accuracy

Applications:

- Heating
- Air conditioning
- Refrigeration
- Ventilation

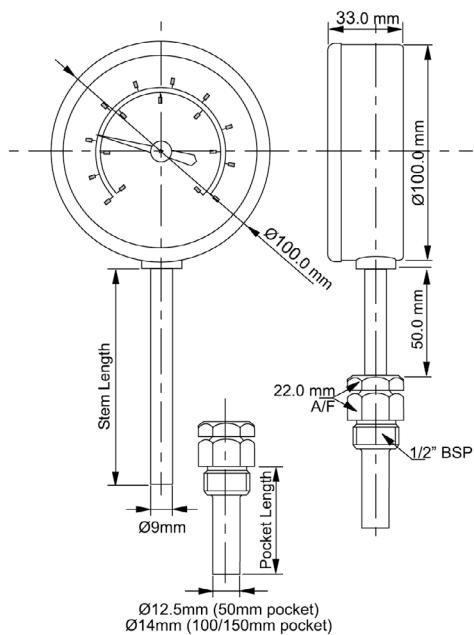
Standard product specifications:

Standards & categories		XT020
Design		BS EN 13190
Dial construction		
Case		Black steel
Bezel		304 Stainless steel
Connection orientation		Bottom or back
Pocket material		Brass (SS 304 or SS316 available on request)
Pointer		Black plastic
Sensor mechanism		Liquid expansion (Kerosene filling)
Window		PMMA
Stem lengths		100mm, 150mm & 200mm
Pocket lengths		50mm, 100mm & 150mm
Lagging extensions		50mm (100mm lagging extension available on request)
Ranges & parameters		
Dial diameter		100mm (4") & 150mm (6")
Ranges		-20 to 60°C and -4 to 140°F through to 0 to 200°C and 0 to 390°F (0 to +250°C only)
Thread size		1/2" BSP
Accuracy class		2
Filling		Dry
Protection		IP 54 (BS EN 60529:1992)
Operating temperature		0 to +40°C (higher or lower temperatures can cause indication errors)
Storage temperature		-40 to +60°C
Optional extras		
Calibration		Certificate traceable to recognised national standard or statement of conformity if required
Accessories		Pockets, self sealing test plugs

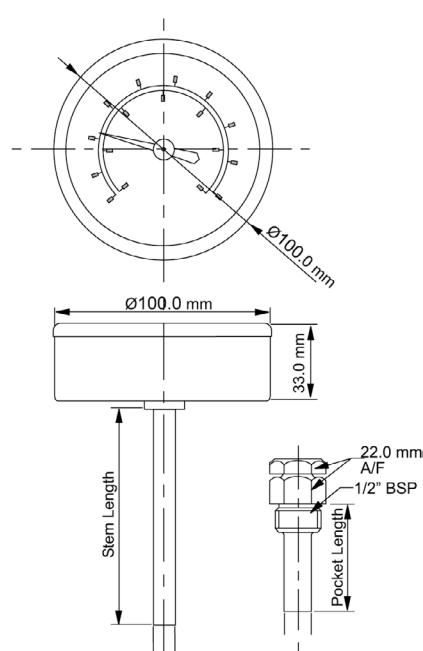
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Dimensions:

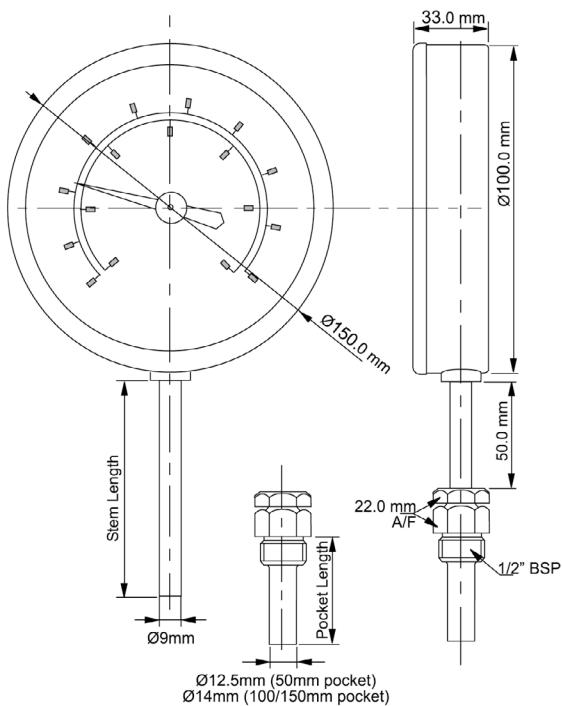
100mm dial thermometer - bottom entry



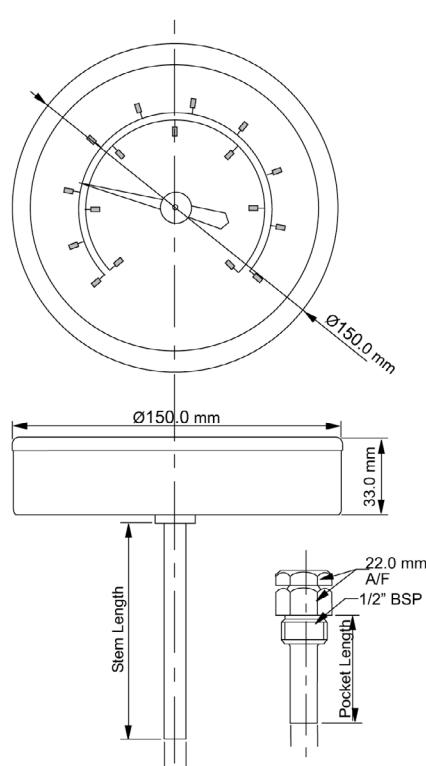
100mm dial thermometer - back entry



150mm dial thermometer - bottom entry



150mm 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.

Range	100mm Diameter product numbers					
	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

Range	150mm Diameter product numbers					
	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	No of points	Product number
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

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APK010 - REPLACEMENT POCKETS FOR THERMOMETERS

Use of Thermometer Pockets

Standard pockets, nominal length up to and including 100mm, are suitable for working pressure up to 40 bar. Pockets exceeding 100mm nominal length will normally be fabricated and are only suitable for working pressure of up to 25 bar. Thermometers are normally supplied complete with pockets and should not be installed on a pressurised system without suitable pocket.

Product features

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



Applications

- Heating, ventilation, air-conditioning
- Hot water
- Industrial

Connection	Supplied as standard / on special request	Material	Product numbers			
			L=50mm	L=100mm	L=150mm	L=250mm
1/2" BSP M with nut & O'ring	Standard	Brass	39/621/0	39/622/0	39/623/0	-
1/2" BSP M	Special request	Stainless steel	39/111/0	39/112/0	39/113/0	-
3/8" BSP M	Special request	Brass	39/121/1	-	-	-
1/2" BSP M	Special request	Brass	-	39/160/0*	39/161/0**	39123/1

* 50mm + 50mm extension

** 100mm + 50mm extension

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.



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the website

