

XT045

Premium remote reading dial thermometer



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
- For outdoor and high humidity installations
- Wide range of associated accessories available
- **Brannan** quality and accuracy

Standard product specifications:

XT045	
Standards & categories	
Design	BS EN 13190
Dial construction	
Case	304 Stainless steel
Bezel and back flange	304 Stainless steel
Seal material	74 shore D polyurethane
Connection orientation	Bottom connection
Pointer	Black plastic
Sensor mechanism	Liquid expansion (Kerosene filling)
Window	Glass
Capillary lengths	1.5m, 3m & 5m
Capillary material	stainless interlocking (plastic coated bronze also available for temperature ranges up to 120°C)
Stem lengths	140mm, 200mm & 250mm
Pocket lengths	63mm, 100mm & 150mm
Ranges & parameters	
Dial diameter	100mm (4") & 150mm (6")
Ranges	-40 to 40°C and -40 to 104°F through to 0 to 250°C and 0 to 480°F
Thread size	1/2" BSP
Accuracy class	2
Filling	Dry
Protection	IP 67
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

XT045

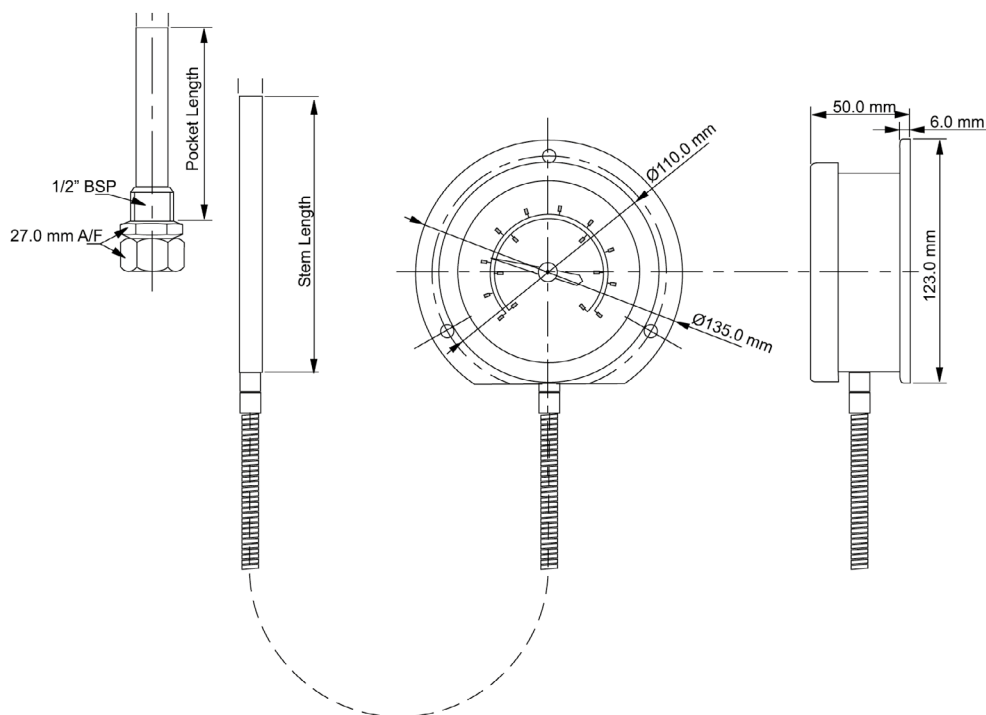
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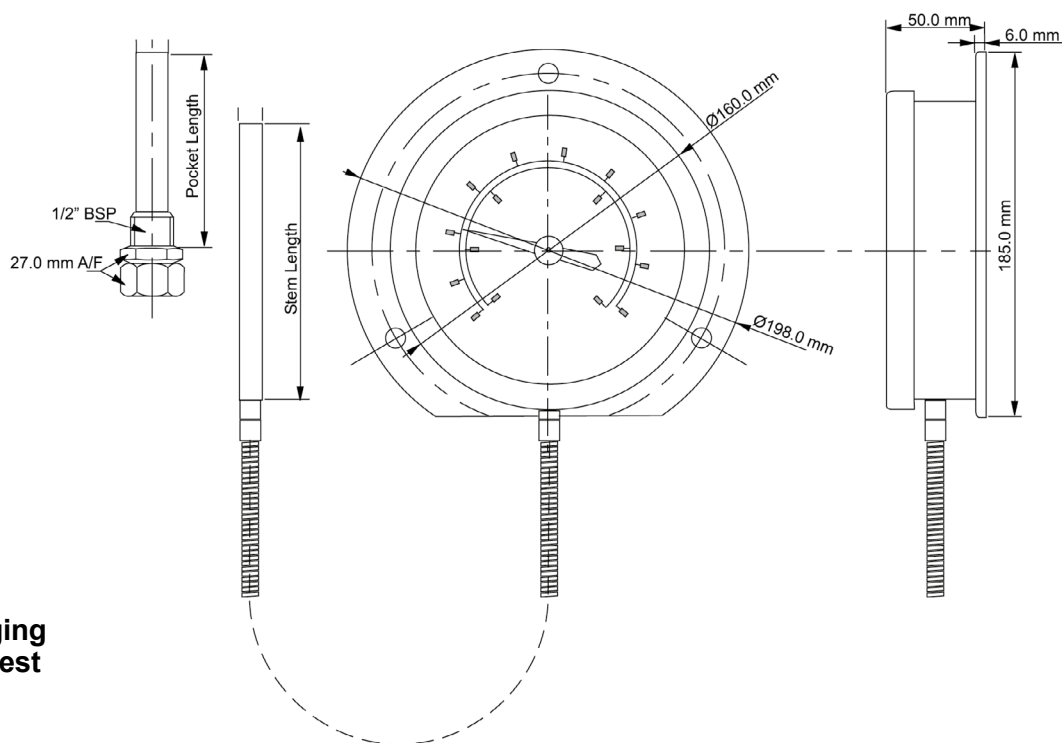
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Dimensions: 100mm Dial thermometer - bottom entry



150mm Dial thermometer - bottom entry



Weights and packaging
dimensions on request

Measurement for life.



Premium remote reading dial thermometer

Standard 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.

100mm diameter dial with 1.5m capillary - stem (S) length / pocket (P) length							
Range	with pocket				with sliding union		
	S=140mm P=63mm	S=140mm P=100mm	S=200mm P=150mm	S=250mm P=150mm	S=140mm	S=200mm	S=250mm
-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

100mm diameter dial with 3m capillary - stem (S) length / pocket (P) length							
Range	with pocket				with sliding union		
	S=140mm P=63mm	S=140mm P=100mm	S=200mm P=150mm	S=250mm P=150mm	S=140mm	S=200mm	S=250mm
-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

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100mm diameter dial with 5m capillary - stem (S) length / pocket (P) length							
Range	with pocket				with sliding union		
	S=140mm P=63mm	S=140mm P=100mm	S=200mm P=150mm	S=250mm P=150mm	S=140mm	S=200mm	S=250mm
-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

Standard 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.

150mm diameter dial with 1.5m capillary - stem (S) length / pocket (P) length							
Range	with pocket				with sliding union		
	S=140mm P=63mm	S=140mm P=100mm	S=200mm P=150mm	S=250mm P=150mm	S=140mm	S=200mm	S=250mm
-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

Premium remote reading dial thermometer

150mm diameter dial with 3m capillary - stem (S) length / pocket (P) length							
Range	with pocket				with sliding union		
	S=140mm P=63mm	S=140mm P=100mm	S=200mm P=150mm	S=250mm P=150mm	S=140mm	S=200mm	S=250mm
-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

150mm diameter dial with 5m capillary - stem (S) length / pocket (P) length							
Range	with pocket				with sliding union		
	S=140mm P=63mm	S=140mm P=100mm	S=200mm P=150mm	S=250mm P=150mm	S=140mm	S=200mm	S=250mm
-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

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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=63mm	L=100mm	L=130mm	L=150mm
1/2" BSP M with nut & O'ring	Standard	Stainless Steel	39/639/0	39/617/0	-	39/641/0
1/2" NPT M	Special request	Stainless steel	-	39/117/1	-	-
1/2" BSP M	Special request	Stainless steel	-	-	39/140/0	-
1/2" BSP M	Special request	Brass	39/136/0	39/127/0	39/150/0	39/151/0

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.



View me on the website

