

GT045

Gas actuated remote reading dial thermometer



Product features:

- Gas actuated measuring principle, providing fast response
- Temperature ranges up to 800°C
- Dry or liquid filled.
- SS 316 capillary allowing compatibility with a wide range of process media
- Can be supplied with or without thermowells
- **Brannan** quality and accuracy

Applications:

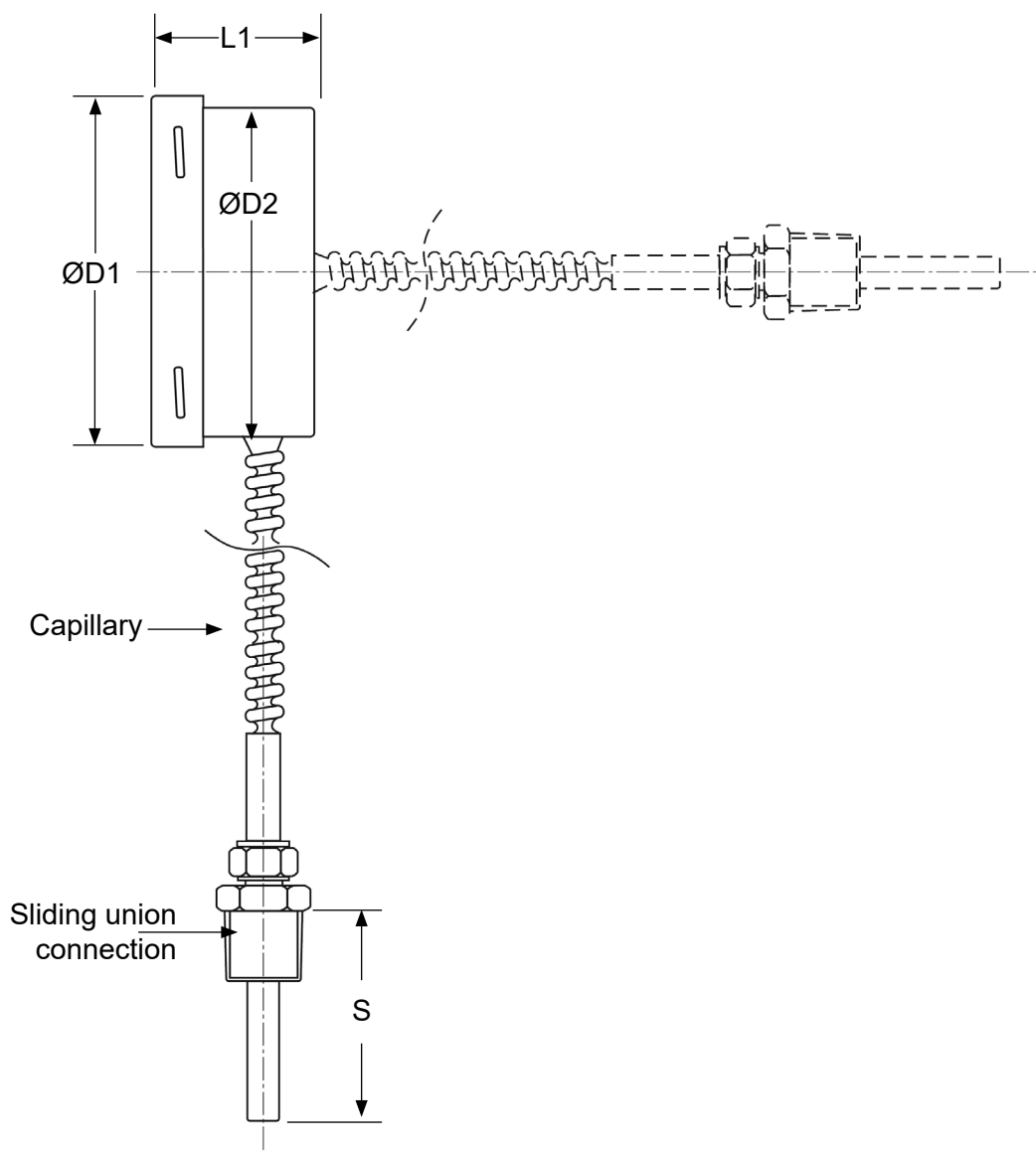
- Oil and gas
- Chemical and petrochemical
- Water and wastewater
- Pharmaceutical
- Food and beverage

Standard product specifications:

Standards & categories	GT045
Design	BS EN 13190
Dial construction	
Case	Stainless steel 304 (optional SS 316L)
Connection orientation	Bottom or centre back
Connection material	Stainless steel 316
Stem material	Stainless steel 316
Bezel	Stainless steel 304 bayonet bezel
Pointer	Black aluminium, micro adjustable
Sensor mechanism	Gas actuated
Movement material	Stainless steel 304
Window	Laminated safety glass
Capillary lengths	Up to 30 metres
Capillary material	Stainless steel 316 with SS 304 armour
Stem lengths	Up to 4 metres
Stem diameters	6.3mm, 8mm, 10mm & 12mm
Ranges & parameters	
Dial diameter	100mm (4") 115mm (4.5") & 150mm (6")
Ranges	-200°C to +800°C and -330 to 1470°F
Thread size	1/4", 3/8", 1/2" BSP/NPT/BSPT sliding union (others available on request)
Accuracy class	1
Filling	Dry, Glycerine, or silicone filled
Protection	IP 67
Optional extras	
Calibration	Certificate traceable to recognised national standard or statement of conformity if required
Accessories	Pockets

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Dimensions:



Dial size	Ø100mm (4")	Ø115mm (4.5")	Ø150mm (6")
ØD1	109mm	126.5mm	166mm
ØD2	98.5mm	114.5mm	152mm
L1	47mm	47mm	50mm

Min. sensing length required for stem				
Bulb diameter	6mm	8mm	10mm	12mm
Capillary up to 5m	190mm	90mm	55mm	55mm
Capillary over 5m	on request	170mm	100mm	90mm

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Product numbers:

All GT045 thermometers are ordered to specific customer specifications. Please use below matrix to create your unique ordering product reference, using the values in bold.

Make	Model	Dial diameter	Range	Units	Stem length	Stem diameter	Capillary length	Connection size/type	Connection orientation	Filling	Extras
Brannan (BRN)	GT045 (GT45)	100mm (4") (100)	-200°C (-328°F) up to +800°C (1472°F)	°C outer/ °F inner (CF)	Up to 4000mm. Specify in mm. eg; for 100mm, please specify (100)	6.3mm (6)	Up to 30m. Specify length in metres. eg; for 1.6m please specify (1.6)	Plain stem (0) <u>Sliding union</u>	Bottom (BO) Centre back (CB)	Dry – no filling (D) Glycerine (G) Silicone (S)	Materials Test Certificate (MTC) Front flange (FF) Back flange (BF) SS316L Thermowell (TW316L) NB. When more than one extra is required, please separate each code with a hyphen when building your product reference
		115mm (4.5") (115)	Specify as, eg; for	°F outer/ °C inner (FC)		8mm (8)		1/2" BSP (S7) 1/2" NPT (S8)			
		150mm (6") (150)	-20 to +120 (-20+120)	°C only (C)		10mm (10)		3/8" BSP (S5) 3/8" NPT (S6)			
				°F only (F)		12mm (12)		1/4" BSP (S3) 1/4" NPT (S4) 1/4" BSPT (S10) 3/8" BSPT (S11) 1/2" BSPT (S12)			

Order example:

Make	Model	Dial diameter	Range	Units	Stem length	Stem diameter	Capillary length	Connection size/type	Connection orientation	Filling	Extras
BRN	GT45	100	-20+120	CF	100	12	3	S8	BO	D	BF

Product reference: BRNGT45/100/-20+120/CF/100/12/3/S8/BO/D/BF