

Product data sheet

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GT040 - GAS FILLED DIAL THERMOMETER



Product features:

- Gas actuated measuring principle, providing fast response.
- Temperature ranges up to 800°C.
- Capillary or rigid stem types available
- Dry or liquid filled.
- SS 316 stem/capillary allowing compatibility with a wide range of process media
- Can be supplied with or without thermowells

Applications:

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

Standard product specifications:

Dial diameters	100mm, 115mm & 150mm
Design	BS EN 13190
Accuracy class	Class 1
Ranges	-200°C to +800°C
Stem length	Up to 4 metres
Stem diameter	6.3mm, 8mm, 10mm & 12mm
Capillary length	Up to 30 metres
Case	Stainless steel 304 (optional SS 316L)
Process connection	1/4", 3/8", 1/2" BSP/NPT/BSPT fixed or sliding union (others available on request)
Connection orientation	Bottom or centre back
Connection material	Stainless steel 316 with SS 304 armour
Stem material	Stainless steel 316
Bezel	Stainless steel 304 bayonet bezel
Measuring principle	Gas actuated
Movement	Stainless steel 304
Window	Laminated safety glass
Pointer	Black aluminium, micro adjustable
Filling	Dry, Glycerine, or silicone filled
Ingress protection	IP 67

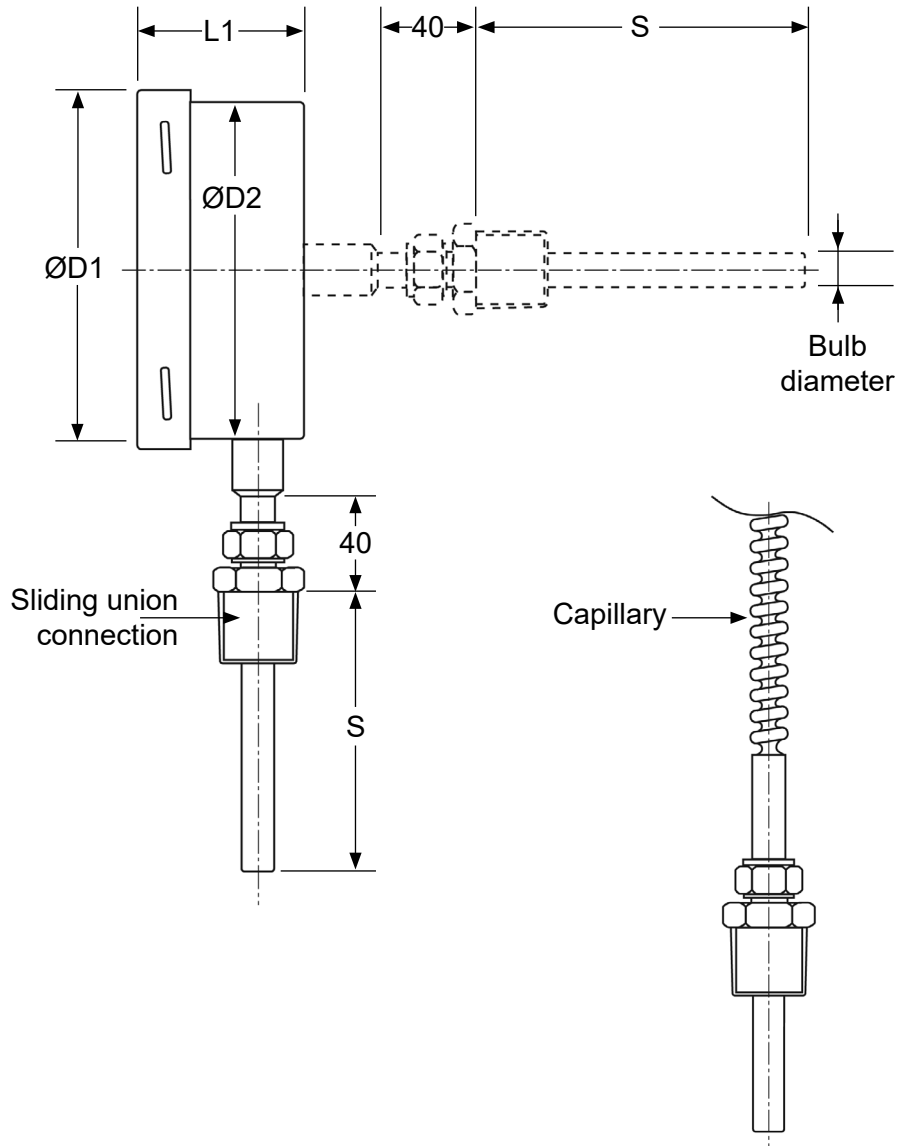
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Dimensions (in mm):



Dial size	100mm diameter	115mm diameter	150mm diameter
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
Direct mount or capillary up to 5m	190mm	90mm	55mm	55mm
Capillary over 5m	on request	170mm	100mm	90mm

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Product numbers:

All GT040 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	Type	Dial diameter	Range	Units	Stem length	Stem diameter	Capillary length	Connection size/type	Connection orientation	Filling	Extras
Brannan (BRN)	GT040 (GT40)	Rigid stem (R)	100mm (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>Fixed stem</u> 1/2" BSP (7) 1/2" NPT (8) 3/8" BSP (5) 3/8" NPT (6) 1/4" BSP (3) 1/4" NPT (4) 1/4" BSPT (10) 3/8" BSPT (11) 1/2" BSPT (12)	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)
		Capillary type (C)	115mm (115) 150mm (150)	Specify as, eg; for -20 to +120 (-20+120)	°F outer/ °C inner (FC) °C only (C) °F only (F)		8mm (8) 10mm (10) 12mm (12)					

NB. When more than one extra is required, please separate each code with a comma when building your product reference

Order example:

Make	Model	Type	Dial diameter	Range	Units	Stem length	Stem diameter	Capillary length	Connection size/type	Connection orientation	Filling	Extras
BRN	GT40	C	100	-20+120	CF	100	12	3	S8	BO	D	BF

Product reference: BRNGT40/C/100/-20+120/CF/100/12/3/S8/BO/D/BF