

Product data sheet

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BT030 - STAINLESS STEEL BIMETAL THERMOMETERS (CLASS 2)



Product features:

- Thermometer with heavy duty stainless steel 304 case and bayonet style bezel
- Choice of temperature ranges, dial diameters and stem lengths
- Back entry, bottom entry or adjustable angle connections
- Recalibration screw (back connection and adjustable connection only)
- Stainless steel pockets can be supplied as extra.
Use of a thermowell (pocket) is always recommended

Applications:

- Wide range of applications including general industrial process, ventilation, heating and air conditioning, water/wastewater.

Standard product specifications:

Dial diameters	63mm, 75mm, 100mm, 125mm & 150mm
Design	BS EN 13190 / ASME B40.200 Compliant
Accuracy class	2
Ranges	-40 to +650°C&F
Case	Stainless steel AISI 304
Bezel	Stainless steel AISI 304 - bayonet
Connection	Stainless steel 304, size as requested
Stem	Stainless steel 304 (316 optional)
Stem length	min. 63mm, max. 1000mm
Stem diameter	6.3mm, 8mm, 10mm or 12mm
Sensor mechanism	Bimetal coil
Window	Glass (laminated safety glass optional)
Pointer	Black aluminium
Dial	Black numbering on white background
Filling	Dry (contact us for silicone filling option)
Protection	IP 65 (contact us for IP 67/IP68 options)
Calibration	Certificate traceable to recognised national standard or statement of conformity, if required

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Note:

Loosen the screws on either side of the adjustable bracket before gently angling thermometer as required.
Tighten screws again before use.
See notes on page 4 of this document.

Product data sheet

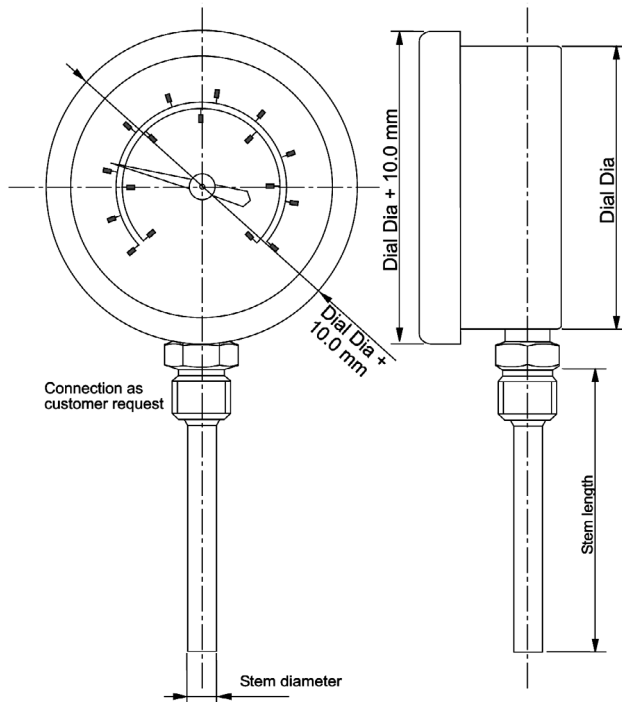
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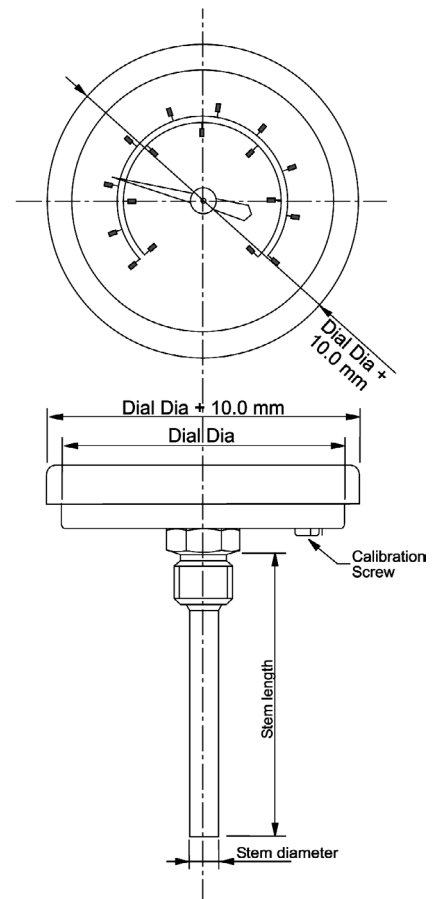
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Dimensions:

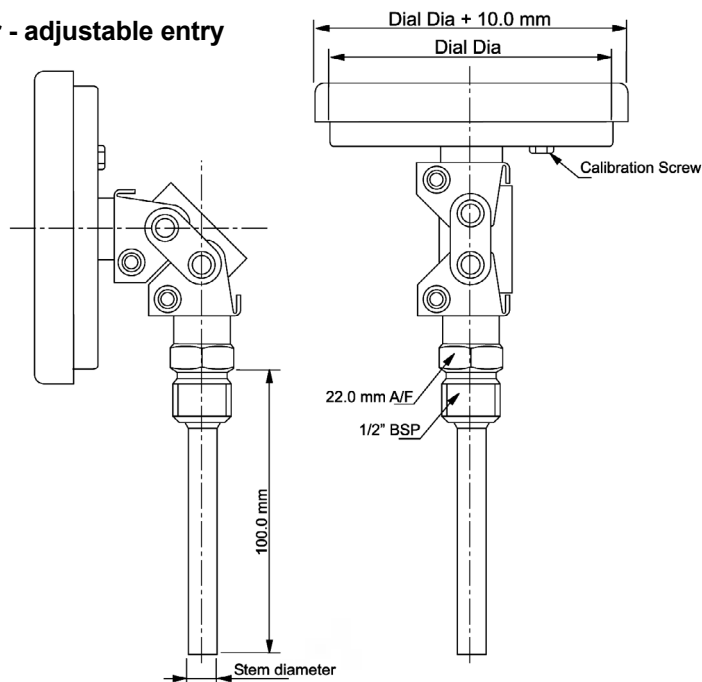
Dial thermometer - bottom entry



Dial thermometer - back entry



Dial thermometer - adjustable entry



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Product numbers:

All BT030 dials 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	Connection size/type	Connection orientation	Extras
Brannan (BRN)	BT030 (BT30)	63mm (63) 75mm (75) 100mm (100) 125mm (125) 160mm (160)	Celsius: -40+60 -30+70 -20+60 -20+120 0+100 0+120 0+150 0+160 0+200 0+250 0+300 0+400 0+500 0+600 +100+550 +50+650 Fahrenheit: -40+120 -40+160 0+140 0+200 0+250 +50+300 +50+400 +50+550 +150+750 0+800 +20+1000 +50+750 NB. Other ranges available on request	°C outer / °F inner (CF) °F outer / °C inner (FC) °C only (C) °F only (F)	63mm to 1000mm	6.3mm (6) 8mm (8) 10mm (10) 12mm (12)	Plain stem (0) Fixed 1/2" BSP (7) Fixed 1/2" NPT (8) Fixed 3/8" BSP (5) Fixed 3/8" NPT (6) Fixed 1/4" BSP (3) Fixed 1/4" NPT (4) Fixed 1/4" BSPT (10) Fixed 3/8" BSPT (11) Fixed 1/2" BSPT (12) Sliding union 1/2" BSP (S7) Sliding union 1/2" NPT (S8) Sliding union 3/8" BSP (S5) Sliding union 3/8" NPT (S6) Sliding union 1/4" BSP (S3) Sliding union 1/4" NPT (S4) Sliding union 1/4" BSPT (S10) Sliding union 3/8" BSPT (S11) Sliding union 1/2" BSPT (S12)	Bottom (BO) Centre back (CB) Adjustable angle (AD)	Laminated safety glass (LG) SS316 stem (316) SS304 thermowell (TW304) SS316 thermowell (TW316) NB. When more than one extra is required, please separate each code with a hyphen when building your product reference
							NB. Others available on request		

Order example:

Make	Model	Dial diameter	Range	Units	Stem length	Stem diameter	Connection size/type	Connection orientation	Extras
BRN	BT30	100	0+120	CF	200	10	7	AD	LG-TW304

Product reference: BRNBT30/100/0+120/CF/200/10/7/AD/LG-TW304

Please note: These instruments are not supplied with thermowells (pockets) as standard. If thermowell is required, this must be added in the extras column, ie TW304.

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

Measurement for life.



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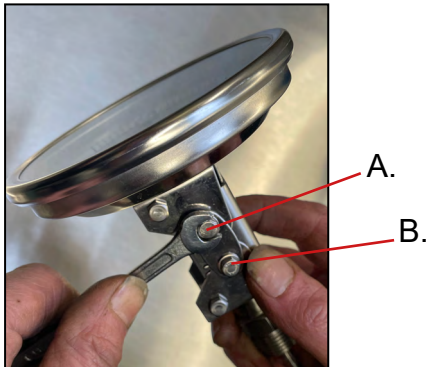
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Please read before attempting to change angle of adjustable angle bimetal thermometers.

Setting the connection angle



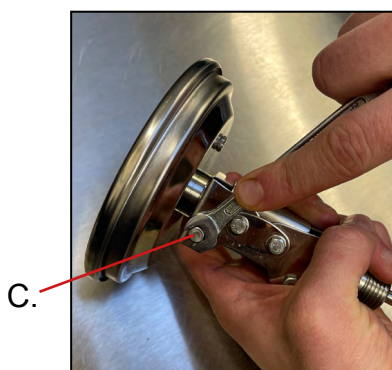
To adjust the thermometer face display angle, firstly, loosen off screws A. & B. on either side of the adjustable bracket.



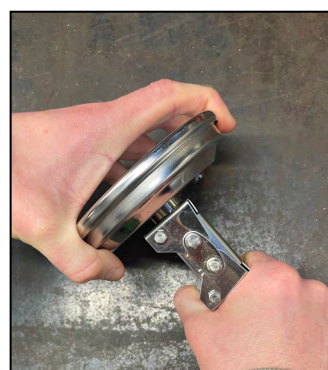
Set the thermometer face to the required angle. Retighten the screws.

Face alignment

Before rotating the thermometer face ensure the thermometer is set in the back connection alignment. Never rotate the thermometer face when the bracket is set in an angled alignment.



Loosen off the screws C. on either side of the adjustable bracket.



Holding both the thermometer face and the adjustable bracket, rotate the thermometer face to the desired position. No more than minimum force should be required. Retighten the screw(s).