

# Product data sheet

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## BT041 - STAINLESS STEEL SLIM CASE BIMETAL THERMOMETERS



### Features:

- Thermometer with stainless steel 304 case and crimped bezel
- Anti-parallax dial that reduces error
- Choice of temperature ranges, dial diameters and stem lengths
- Back entry, bottom entry or adjustable angle connections
- Recalibration screw
- Stainless steel pockets can be supplied as extra. Use of a thermowell (pocket) is always recommended
- Wide range of applications including general industrial process, ventilation, heating and air conditioning, water/wastewater.

### Standard product specifications:

<b>Dial diameters</b>	75mm, 100mm, 125mm & 150mm
<b>Design</b>	ASME B40.200 Compliant
<b>Accuracy class</b>	+/-1% (ASME B40.200 Grade A)
<b>Ranges</b>	-30 to +70°C&F through to 0 to +300°C&F
<b>Case</b>	Stainless steel AISI 304
<b>Bezel</b>	Stainless steel AISI 304 - crimped
<b>Connection</b>	1/2" BSP Stainless steel, bottom, back & adjustable connection (NPT & BSPT on request)
<b>Stem</b>	100mm (50mm, 150mm, 200mm, 250mm or 300mm available on request) 304 stainless steel (316 also available on request)
<b>Sensor mechanism</b>	Standard bimetal coil
<b>Window</b>	Glass
<b>Pointer</b>	Black aluminium
<b>Filling</b>	Dry (glycerine filled available on request)
<b>Protection</b>	IP 67
<b>Calibration</b>	UKAS certification, certificate traceable to recognised national standard or statement of conformity, if required

### 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.

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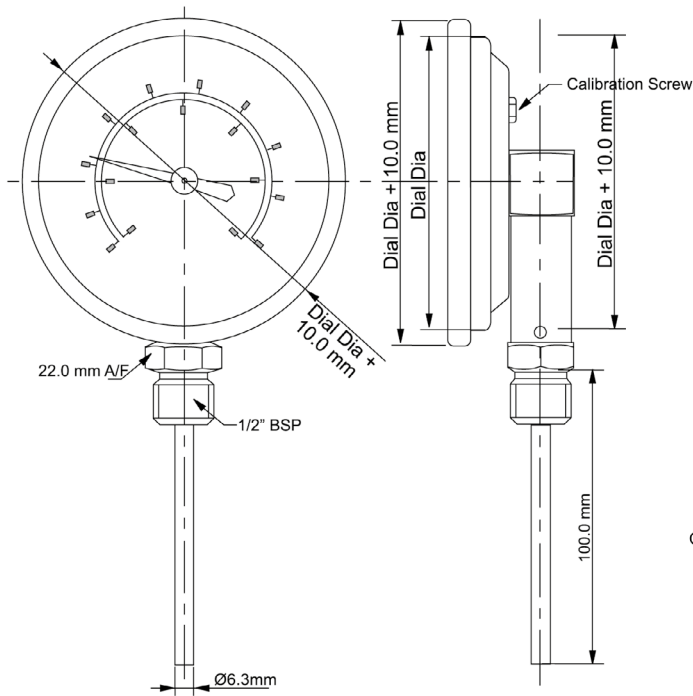
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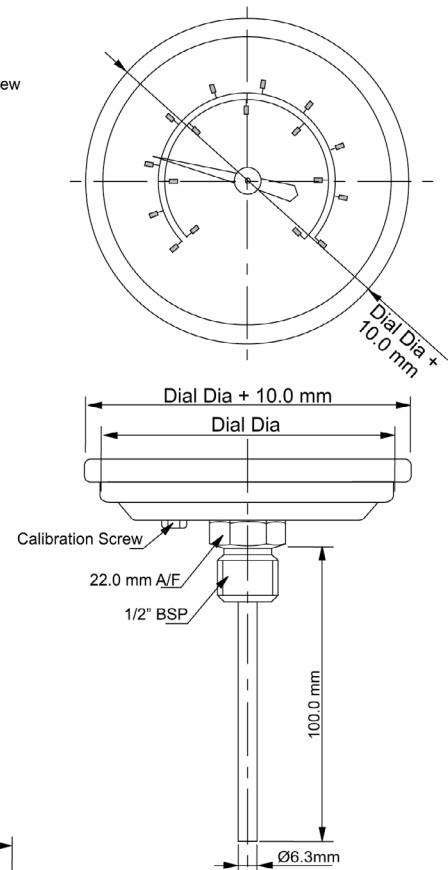
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## Dimensions:

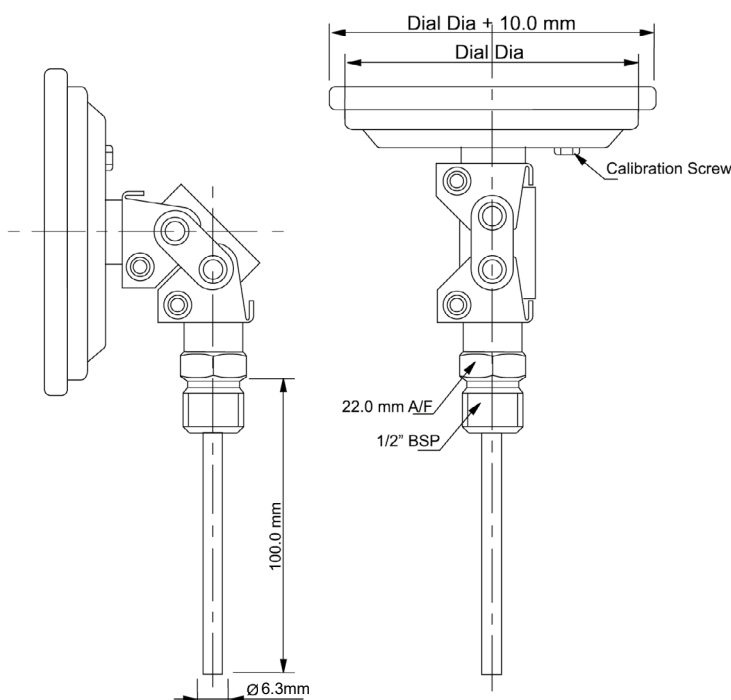
### Dial pressure gauge - bottom entry



### Dial pressure gauge - back entry




### Dial pressure gauge - adjustable entry



**Weights & packaging dimensions available on request**

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## Standard product numbers:

The following are our standard product numbers for 100mm diameter, adjustable angle thermometers. 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.

## Thermometer product numbers:

Range	Stem length	Thermometer product number	
		1/2" BSP (M)	1/2" NPT (M)
-10 to +60°C&F	63mm	74/225/0	74/225/1
0 to +120°C&F		74/227/0	74/227/1
-10 to +60°C&F	100mm	74/226/0	74/226/1
0 to +120°C&F		74/228/0	74/228/1
-10 to +60°C&F	150mm	74/235/0	74/235/1
0 to +120°C&F		74/237/0	74/237/1
-10 to +60°C&F	225mm	74/236/0	74/236/1
0 to +120°C&F		74/238/0	74/238/1

## Corresponding thermowell product numbers:

Stem length	Thermowell material	Corresponding thermowell product number (M x F)	
		1/2" BSP	1/2" NPT
63mm	Brass	74/233/0	74/233/6
	SS304	74/216/1	74/216/6
	SS316	74/234/0	74/234/6
100mm	Brass	74/233/1	74/233/7
	SS304	74/216/0	74/216/7
	SS316	74/234/1	74/234/7
150mm	Brass	74/233/2	74/233/8
	SS304	74/216/2	74/216/8
	SS316	74/234/2	74/234/8
225mm	Brass	74/233/3	74/233/9
	SS304	74/216/3	74/216/9
	SS316	74/234/3	74/234/9

All thermometer stem diameter. 6.3mm  
All thermowell to fit 6.3mm diameter stem

## Calibration product numbers:

Calibration	No of points	Product number
UKAS	3pt	49/070/0
Traceable to National Standards	1pt	49/099/0
	3pt	49/101/0
	4pt	49/104/0
	5pt	49/105/0

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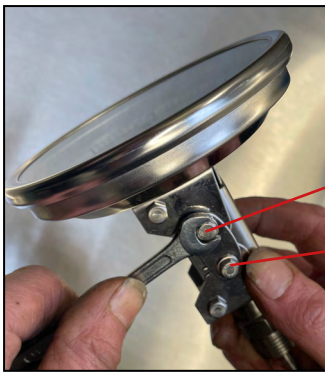
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**Please read before attempting to change angle of adjustable angle bimetal thermometers.**

## Setting the connection angle



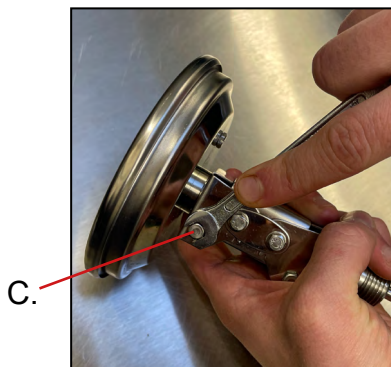
To adjust the thermometer face display angle, firstly, loosen off screws A. & B. on either side of the adjustable bracket.



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).