

Our BH3 Heavy Duty Bimetallic Thermometers are designed for **accurate** temperature measurement with a **reliable, robust** design and built for **industrial** purposes. The **any angle head** gives a 180° movement allowing to set the best position for maximum readability after installation with **Anti-Parallax feature** for error free reading.

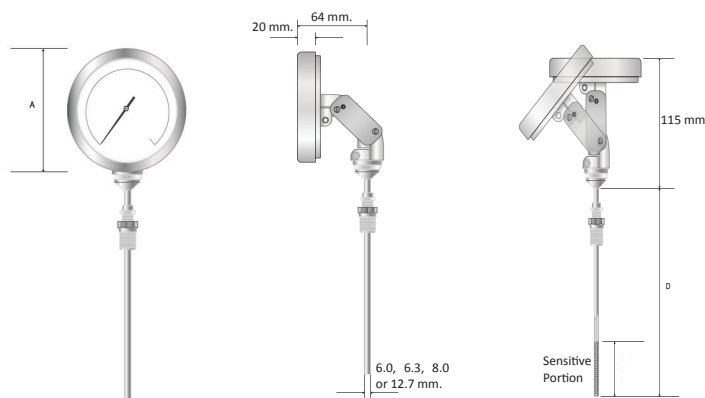
## General Specification

<b>Nominal Size:</b>	100 mm, 130 mm or 160 mm
<b>Case &amp; Bezel:</b>	304 SS or 316 SS Weatherproof (rated IP 65)
<b>Dial:</b>	Non-ferrous metal clearly marked to BS3693
<b>Window:</b>	Standard Glass, Toughened Glass or Acrylic
<b>Stem Diameter:</b>	6 mm, 6.3 mm, 8 mm & 12.7 mm
<b>Stem Material:</b>	316 SS
<b>Connection:</b>	1/2" BSP, BSPT or NPT (Adjustable)
<b>Accuracy:</b>	Class 1.0 (±1.0%FSD)
<b>Over Range Protection:</b>	1.3 x FSD (130%)
<b>Weight:</b>	0.6 to 1 kg.
<b>Dimensions:</b>	(100 mm.) A: 112 mm (130 mm.) A: 128 mm (160 mm.) A: 173 mm  <i>D &amp; Stem dimensions to be advised by the customer</i>
<b>Extras:</b>	Silicone filling available (Case temperature up to 80 deg C or Process temperature up to 200 deg C) / Customer or no logo on dial / Thermowell



BH3 Model

For other options, please contact us [Sales@rototherm.co.uk](mailto:Sales@rototherm.co.uk) or +44 (0)1656 740551



## Main Applications

A **world leader** in temperature gauges, Rototherm has become the standard for accurate and reliable measurement across the following industries:



Food Industry, Dairies  
& Breweries



Ovens, Dryers &  
Tanks



On/Offshore  
Environments &  
Refining



Chemical,  
Petrochemical &  
Pharmaceutical



Heating & cooling  
Systems & Pipework

## Ordering Information

BH3 Temperature Gauge	STANDARD →	BH345	4	G	-	C	X	0100	X	R	
Model	BH345 with 100 mm. dial size BH355 with 130 mm. dial size BH365 with 160 mm. dial size	BH345 BH355 BH365									
Case Material	304SS 316SS		4 6								
Window	Standard Glass Acrylic (Perspex) Toughened Glass			G P T							
Temperature Range	(Please select a temperature range from list below)										
Stem Diameter	6 mm 6.3 mm 8 mm 12.7 mm					A B C D					
Gland Type (Adjustable)	None (If a separable pocket is required, please use this option.) 1/2" BSP 1/2" BSPT 1/2" NPT Male 1/2" NPT Female (only available for 6mm. stem) 3/8" BSP Male 3/4" NPT Male 3/4" BSP Male 1/2" API Male						X B D F J A G C L				
Stem Length	Specify in mm. - Maximum lengths available depending on stem diameter: 6 mm. & 6.3 mm. - Max. 610 mm. / 8mm. - Max. 1000 mm. / 12.7 mm. - Max. 1500 mm. * Recommended minimum stem length is 100 mm. ** If gland required, please add 50 mm. for BSP or 75 mm. for NPT/BSPT/API								0100		
Filling	None Standard Silicone (up to 80°C) High Temperature Silicone (up to 200°C)								X S H		
Logo Type	Rototherm Logo Customer Logo No Logo									R C X	

**If a separable pocket is required, please continue with coding below...**

Separable Pocket	STANDARD →	S	B	A	XXXX
Separable Pocket	Required Not required	S N			
Process Connection Type	BSP NPT BSPT NONE		B N T X		
Process Connection	1/2" BSP 3/4" BSP 1" BSP 1/2" NPT 3/4" NPT 1" NPT 1/2" BSPT 3/4" BSPT 1" BSPT NONE			A B C D E F G H J X	
Immersion Length	Specify in mm. None				XXXX N

## Standard Temperature Ranges

DEGREE °C RANGES	Coding	DEGREE °F RANGES	Coding	DEGREE °C & °F RANGES	Coding
-30 TO 60 °C	C1	-20 TO 140 °F	F1	-30 TO 60 °C / -20 TO 140 °F	D1
0 TO 60 °C	C2	20 TO 220 °F	F2	0 TO 60 °C / 30 TO 140 °F	D2
0 TO 100 °C	C3	0 TO 300 °F	F3	0 TO 100 °C / 30 TO 215 °F	D3
0 TO 120 °C	C4	50 TO 250 °F	F4	0 TO 120 °C / 30 TO 250 °F	D4
10 TO 120 °C	C5	100 TO 400 °F	F5	10 TO 120 °C / 50 TO 250 °F	D5
0 TO 160 °C	C6	150 TO 500 °F	F6	0 TO 160 °C / 30 TO 320 °F	D6
0 TO 200 °C	C7	0 TO 800 °F	F9	0 TO 200 °C / 30 TO 400 °F	D7
0 TO 300 °C	C9	200 TO 1050 °F	F10	50 TO 250 °C / 130 TO 480 °F	D8
0 TO 400 °C	C11			0 TO 400 °C / 30 TO 740 °F	D11
100 TO 550 °C	C12			100 TO 550 °C / 200 TO 1040 °F	D12
0 TO 250 °C	C14				
-20 TO 120 °C	C18				
-50 TO 50 °C	C20				
-50 TO 100 °C	C21				

For any other options, please contact us [sales@rototherm.co.uk](mailto:sales@rototherm.co.uk) or +44 (0)1656 740551

### Technical Certification

- Certificate of conformity
- Factory Test Certificate
- Factory Calibration Certificate (3 point)
- Factory Calibration Certificate (5 point)
- Material Certificate

### Calibration and After-Sales Support

- Fully trained field service personnel
- Use of UKAS certified calibration equipment
- 5 day turnaround
- Fixed pricing
- Approved manufacturer parts
- Full post-service reports
- 12 month warranty



ISO9001:2015  
FM11958

### Export Documentation

- Certificate of Origin
- EUR1
- ATR



For more information, please contact our service team  
[services@rototherm.co.uk](mailto:services@rototherm.co.uk)