

## Heavy Duty Model BH2

Our BH2 *Heavy Duty Bimetallic Thermometers* are designed for **accurate** temperature measurement with a **reliable, robust** design and built for **industrial** purposes.

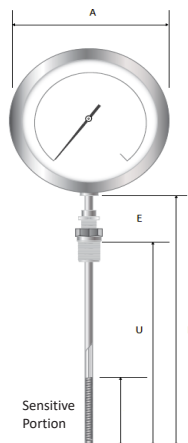
### General Specification

<b>Nominal Size:</b>	63 mm, 100 mm or 160 mm
<b>Case &amp; Bezel:</b>	304 SS
<b>Dial:</b>	Non-ferrous metal clearly marked to BS3693
<b>Window:</b>	Standard Glass, Toughened Glass, Acrylic or Electrical Contact Head
<b>Mounting:</b>	Vertical or Coaxial
<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
<b>Accuracy:</b>	Class 1.0 ( $\pm 1.0\%$ FSD) Class 2.0 ( $\pm 2.0\%$ FSD) - when contact heads are fitted
<b>Over Range Protection:</b>	1.3 x FSD (130%)
<b>Weight:</b>	Up to 1kg.
<b>Dimensions:</b>	(63 mm.) A: 69 mm / C: 22 mm (50 mm for Vertical version) (100 mm.) A: 112 mm / C: 22 mm (50 mm for Vertical version) (160 mm.) A: 173 mm / C: 22 mm (50 mm for Vertical version) <i>D &amp; U dimensions to be advised by the customer</i>
<b>Extras:</b>	Customer or no logo on dial / Thermowell

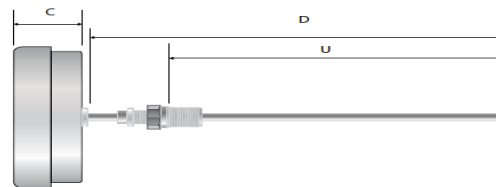


**BH242 Model**

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



**Vertical**



**Coaxial**

### 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



Pharmaceutical



Chemical, Petrochemical & Refining



Heating & cooling Systems & Pipework

### Ordering Information

BH2 Bimetallic Thermometer	STANDARD →	BH242	4G	-	C	X	0100	XXR
<b>Model</b>	BH222 (63 mm. dial & vertical)	BH222						
	BH226 (63 mm. dial & coaxial)	BH226						
	<b>BH242 (100 mm. dial &amp; vertical)</b>	<b>BH242</b>						
	BH246 (100 mm. dial & coaxial)	BH246						
	BH262 (160 mm. dial & vertical)	BH262						
	BH266 (160 mm. dial & coaxial)	BH266						
<b>Window</b>	<b>Standard Glass</b>		<b>4G</b>					
	Acrylic (Perspex)		4P					
	Toughened Glass ( <i>Not available for 63mm.</i> )		4T					
	Electrical Contact Head ( <i>Not available for 63mm.</i> ) * ( <i>See options below</i> )		4X					
<b>Temperature Range</b>	<i>(Please select a temperature range from list on next page)</i>							-
<b>Stem Diameter</b>	6 mm					A		
	6.3 mm					B		
	<b>8 mm</b>					<b>C</b>		
	12.7 mm (Only option for Electrical Contact Head)					D		
<b>Gland Type (Adjustable)</b>	<b>None</b> ( <i>If a separable pocket is required, please use this option.</i> )						X	
	1/2" BSP						B	
	1/2" BSPT						D	
	1/2" NPT Male						F	
	1/2" NPT Female (only available for 6mm. stem)						J	
	3/8" BSP Male						A	
	3/4" NPT Male						G	
	3/4" BSP Male						C	
1/2" API Male (only available for 8mm. stem)						L		
<b>Overall Stem Length</b>	<b>Specify in mm.</b> - Maximum lengths available depending on stem diameter: <b>0100</b> <b>6 mm. &amp; 6.3 mm.</b> - Max. 610 mm. / <b>8mm.</b> - Max. 1000 mm. / <b>12.7 mm.</b> - Max. 1500 mm. * <i>Recommended minimum stem length is 100 mm.</i> ** <i>If gland required, please add 50 mm. for BSP or 75 mm. for NPT/BSPT/API</i>							
<b>Logo Type</b>	<b>Rototherm Logo</b>							XXR
	Customer Logo							XXC
	No Logo							XXX

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

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

**Electrical Contact Head Options**

Type	Contact Action	Return Type	Action Type	Cable Length
Single	Type A – Break on Rise	Common Return	Standard (0.35A, 10W, 18Va)	1 m
	Type B – Make on Rise			
Double	Type E – Break on Rise / Make on Rise	Common Return	Standard (0.35A, 10W, 18Va)	1 m

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 (for wetted parts only)

**Export Documentation**

- Certificate of Origin
- EUR1
- ATR

**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



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