

Bimetallic Thermometers

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

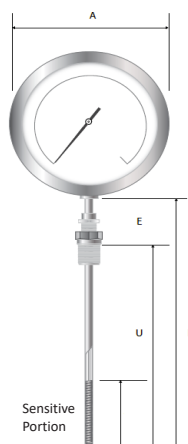
Nominal Size:	63 mm, 100 mm or 160 mm
Case & Bezel:	304 SS
Dial:	Non-ferrous metal clearly marked to BS3693
Window:	Standard Glass, Toughened Glass, Acrylic or Electrical Contact Head
Mounting:	Vertical or Coaxial
Stem Diameter:	6 mm, 6.3 mm, 8 mm & 12.7 mm
Stem material:	316 SS
Connection:	1/2" BSP, BSPT or NPT
Accuracy:	Class 1.0 ($\pm 1.0\%$ FSD) Class 2.0 ($\pm 2.0\%$ FSD) - when contact heads are fitted
Over Range Protection:	1.3 x FSD (130%)
Weight:	Up to 1kg.
Dimensions:	(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 & U dimensions to be advised by the customer</i>
Extras:	Customer or no logo on dial / Thermowell



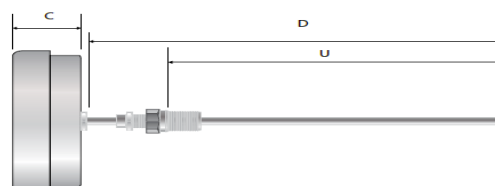
BH242 Model

For other options, please contact us

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
Model	BH222 (63 mm. dial & vertical)		BH222						
	BH226 (63 mm. dial & coaxial)		BH226						
	BH242 (100 mm. dial & vertical)		BH242						
	BH246 (100 mm. dial & coaxial)		BH246						
	BH262 (160 mm. dial & vertical)		BH262						
	BH266 (160 mm. dial & coaxial)		BH266						
Window	Standard Glass			4G					
	Acrylic (Perspex)			4P					
	Toughened Glass (Not available for 63mm.)			4T					
	Electrical Contact Head (Not available for 63mm.) * (See options below)			4X					
Temperature Range	(Please select a temperature range from list on next page)				-				
Stem Diameter	6 mm					A			
	6.3 mm					B			
	8 mm					C			
	12.7 mm (Only option for Electrical Contact Head)					D			
Gland Type (Adjustable)	None (If a separable pocket is required, please use this option.)						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		
	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	
Logo Type	Rototherm Logo								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
Separable Pocket	Required	S			
	Not required	N			
Process Connection Type	BSP		B		
	NPT		N		
	BSPT		T		
	NONE		X		
Process Connection	1/2" BSP			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	
	Specify in mm.				XXXX
Immersion Length	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 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