

Series BMR/20,21,22 –Temperature sensors with terminal head form B with threaded process connection

BMR20-Temperature sensors without extension tube

BMR21-Temperature sensors adjustable screw

BMR22-Temperature sensors with extension tube

Application:

General Purpose. Temperature sensors are mainly used for measuring temperatures in fluids and gasses. A decisive selection criterion is the reliable sealing feature of this installation type with vacuum and with overpressure. The application areas are among others, in the air conditioning technology and refrigeration engineering as well as the HVAC, Kiln and apparatus engineering sector.



BMR/20



BMR/21



BMR/22

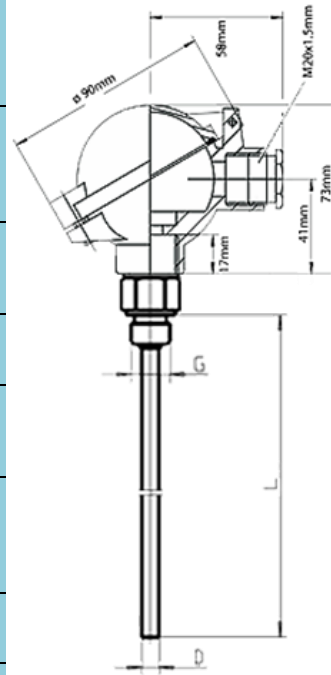


Specifications

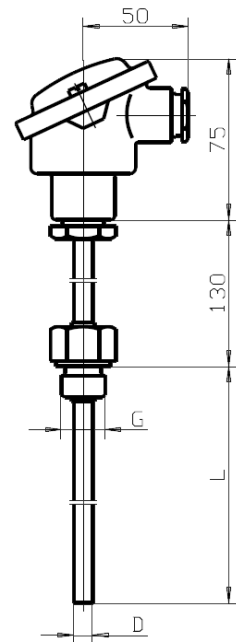
Resistance Type and tolerance:	Resistance thermometer pt100 or pt1000 sensing element according to DIN EN 60571, Class B in 2wire, 3wire or 4wire circuit.
Measuring insert:	Replaceable RTD temperature probes , to DIN EN60571 class B
Response times :	† 0.4 approx. 50s , in water 0.2 m/s ø9 mm
	With replaceable measuring insert
Protective Sheath:	As single or double RTD temperature probes
Process Connection:	Stainless steel Nr.1.4571 with different diameter
	Thread, stainless steel 1.4571
Transmitter:	Analog transmitter 4 to 20 mA output
	Analog transmitter 0 to10V output
	Programmable transmitter 4-20mA/20 to 4mA output
	Wtrans B Programmable head transducer with ratio transmission (datasheet 70.7060)
Accessories:	Datasheet (pocket)

Ordering Code

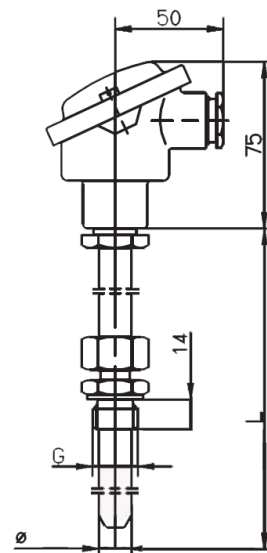
1	Measuring Insert	1xPt100 1xPt1000 1xPt500 1xNi1000 Other specify
2	Protection tube diameter in mm	Ø6mm Ø10mm Ø7mm Ø11mm Ø8mm Ø12mm Ø9mm Ø15mm Ø9.5mm Other specify
3	Immersion Length	100mm 300mm 160mm 400mm 200mm 650mm 250mm Other specify
4	Sheath material	AISI 316Ti AISI 304 AISI 321 Other specify
5	Process connection	G 1/4 G 1 G 3/8 M18x1.5mm G 1/2 M20x1.5mm G 3/4 Other specify
6	Extension length	60mm 100mm 130mm (00) Without Other specify
7	Number of RTD	1xRTD 2xRTD 3xRTD
8	Number of conductors	2wire 3wire 4wire
9	Tolerances class	Type A Din +/- 0.15° C Type B Din +/- 0.3° C Type 1/3 Din +/- 0.1° C Type 1/6 DIN +/- 0.05° C Type 1/10 DIN +/- 0.03° C
10	Temperature transmitter	4-20mA (Specify Temperature Range) 0-10V (Specify Temperature Range) 00 (without transmitter) Wtrans B programmable head transducer with ratio transmission (data sheet 707060)
11	Connection head	Form BUZ (Standard) IP65 Form KNE IP68 Form B IP65 Form BUZH IP65 (see accessories connection)
12	Temperature range	-50°+200° C -70°+250° C -70°+300° C -70°+600° C -200° +600° C -200° +850° C



BMR/20



BMR/22



BMR/21

Ordering Example

	1	2	3	4	5	6	7	8	9	10	11	12
BMRxx	1xPt100	8.0mm	100	316	G 1/2	00	1xRTD	3w	Ty B	00	BUZ	-500+200 C