

## RBF

### Heat Trace or Pipe Sensor

- Heat Trace or Pipe Sensing Applications
- 316 Stainless Steel Sheath
- Moisture Resistant Heads
- 3/4" or 1/2" NPT Threaded Extension Wire Opening
- 4" to 8" Cold Leg Standard for Varying Insulation Depths
- 1" to 3" Pipe Fittings Standard
- 100 ohm RTD, ± .12% Accuracy
- Standard Thermocouple Types J,K,T and E Available
- Fiberglass Insulated RTD Probe
- Standard Ungrounded Thermocouple Junction
- RTD or Universal Transmitter Available (Must Specify Temperature Range)



#### Description

For measuring the surface temperature of process piping that is carrying products whose temperatures must be controlled to prevent freeze-up, or to maintain a viscosity level so that the inner medium will flow. The Thermocouple or RTD Sensor Element is made up with a 316SS sheath, and with a stainless steel mounting pad. Cold legs are available in customer specified lengths to accommodate pipe insulation thickness.

#### Approvals

Explosion Resistant Heads are rated for Class I Groups C, D, Division 1 and 2; Class II Groups E, F, G; Class III for use in hazardous locations as described by the National Electrical Code.

#### Custom Availabilities

- Connection Head Material (i.e. Polypropylene, Derlin or Cast Iron/Aluminum)
- Mounting Pad for Larger Pipe Sizes
- Hot & Cold Legs (Sheath Length)
- Sheath material (i.e. 304SS or 321SS)
- RTD Sheath Insulation Material (i.e. MGO or Teflon)

Model	Sensor	Range (°F)	
		Min	Max
RBF185M-HT	RTD	-100	900
J48U-HT	Type J	32	900
K48U-HT	Type K	900	1800
T48U-HT	Type T	-300	500
E48U-HT	Type E	32	1800

Code	Sheath Leg Lengths	
	Hot	Cold
0304	3"	4"
0306	3"	6"
0308	3"	8"

Code	Mounting Pads	
	Radius	Pipe size
18RD	Fits All Pipe Sizes	

Code	Connection Heads
31SB/C	Aluminum. NEMA 4
49SB/C	Flip top aluminum. NEMA 4
71SB/C	Explosion resistant cast iron/aluminum NEMA 4
81SB/C	Explosion resistant 316L SS. NEMA 4X
91SB/C	316L stainless steel. NEMA 4X

RBF185M-HT	0304	18RD	31SB/C
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Mounting pads conform to pipe once pipe clamps

#### In Stock:

Model	PCN
RBF185M-HT-0304-18RC-31SB/C	317315
RBF185M-HT-0304-18RC-71SB/C	317340

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