

Resource
Data Management

PT1000 Air Probe

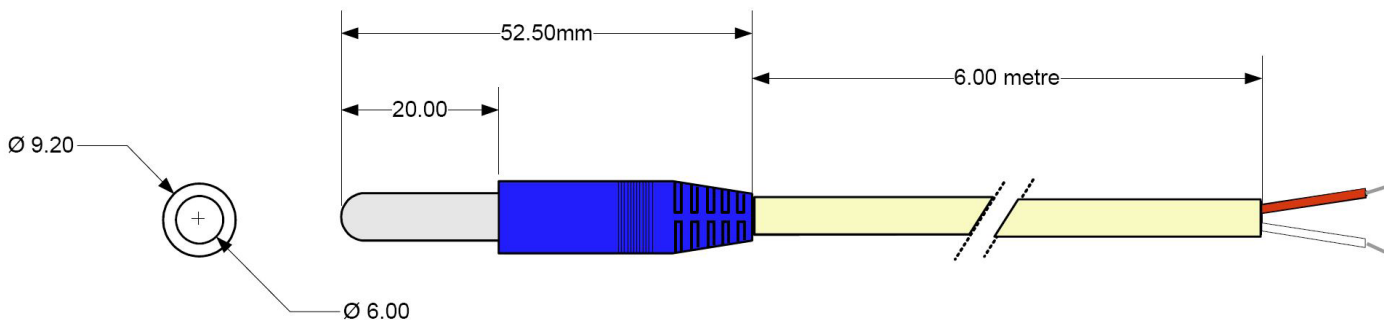
Part Number: PR017X

Features

- Unique internal construction using surface mount components inside a sub-frame ensures complete consistency of sensor position inside the tube.
- Probe housing potted with heat conductive paste for good thermal conductivity.
- PT1000 element internally de-coupled with 1000pF capacitor.
- Nickel-plated brass tube for good thermal conductivity.
- Back filled with epoxy and vacuumed to eliminate air pockets.
- Noryl over-mould to secure the cable.



Technical Drawing



Technical Specifications

Feature	Specification
Nominal resistance	1000 Ohm at 0°C
Tolerance	0.5% DIN EN 60751, class B
Accuracy	+/- 0.5 Degrees Celsius
Meets	DIN EN60751 (according to IEC751)
Temperature Range	-40 °C to + 80 °C
Temperature coefficient	TCR = 3850 ppm/K
Long term stability	max. RO -drift 0.06% after 1000 h at 130 °C
Cable	UL 2464, AWG 24, white/red conductors, cream sleeve

Ordering Information

Part Number	Specification	Cable type / Printing
PR0170	PT1000 6m Air Probe	White cable / no printing
PR0170-1	PT1000 6m Air Probe No1	White cable / black printing (A1)
PR0170-2	PT1000 6m Air Probe No2	White cable / black printing (A2)
PR0170-3	PT1000 6m Air Probe No3	White cable / black printing (A3)
PR0170-4	PT1000 6m Air Probe No4	White cable / black printing (A4)
PR0170-5	PT1000 6m Air Probe No5	White cable / black printing (A5)
The (A1-5) text uniquely identifies each probe allowing an engineer to quickly pinpoint a given probe. For example "A1" could be air on probe 1, "A2" could be air off probe 2 etc.		
PR0171	Air Probe 6m (Box of 5 pieces, numbered 1-5)	
PR0171-1	Air Probe 6m (Box of 5 pieces, probe No. 1)	
PR0171-2	Air Probe 6m (Box of 5 pieces, probe No. 2)	
PR0172	Air Probe 6m (Box of 100 pieces, numbered 1-5)	
PR0172-1	Air Probe 6m (Box of 100 pieces, probe No. 1)	
PR0172-2	Air Probe 6m (Box of 100 pieces, probe No. 2)	
PR0173	PT1000 Probe Set (2 Air Probes (1&2), 2 Pipe Probes (3&4))	
PR0174	20 x PT1000 Probe Set (2 Air Probes (1&2), 2 Pipe Probes (3&4))	

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