

Datasheet

Platinum Resistance Pt100 Probe with Terminal Head

With or without 1/2"BSPP process connection, aluminium alloy head termination



(without process connection)



(with process connection – 1/2"BSPP parallel)

- Heavy duty Pt100 probe with terminal head
- Class B, 4 wire connection
- Available in probe lengths between 150mm & 600mm
- 6.0mm diameter in 316 stainless steel
- With or without 1/2"BSPP parallel process connection
- IP67 aluminium alloy weatherproof connection head
- Sensor temperature rating -100°C to +450°C
- Conforms to IEC 751

What is the difference between a RTD and PRT sensor?
 Nothing. RTD means resistance thermometer detector (the sensing element) and PRT means Platinum resistance thermometer (the whole assembly) i.e. a PRT uses a RTD.

Specifications

Sensor type: Pt100 (100 Ohms @ 0°C) to IEC 751, Class B, 4 wire
 Construction: 6.0mm diameter stem in 316 stainless steel
 Termination: IP67 aluminium alloy weatherproof connection head with 4 wire connection block, M20 x 1.5mm cable entry (gland included)
 Process connection: 1/2"BSPP parallel (where applicable)
 Probe temperature range: -100°C to +450°C (connection head @ 170°C)

Probe Dia Ø	Probe length	1/2"BSPP process connection	Allied code	RS order code
6.0mm	150mm	No		178-0976
6.0mm	200mm	No	70637790	285-633
6.0mm	250mm	No		178-0977
6.0mm	300mm	No		178-0978
6.0mm	400mm	No	70637791	285-649
6.0mm	600mm	No	70637792	285-655
6.0mm	150mm	Yes	70644355	455-4040
6.0mm	250mm	Yes	70644356	455-4056
6.0mm	500mm	Yes	70644357	455-4062