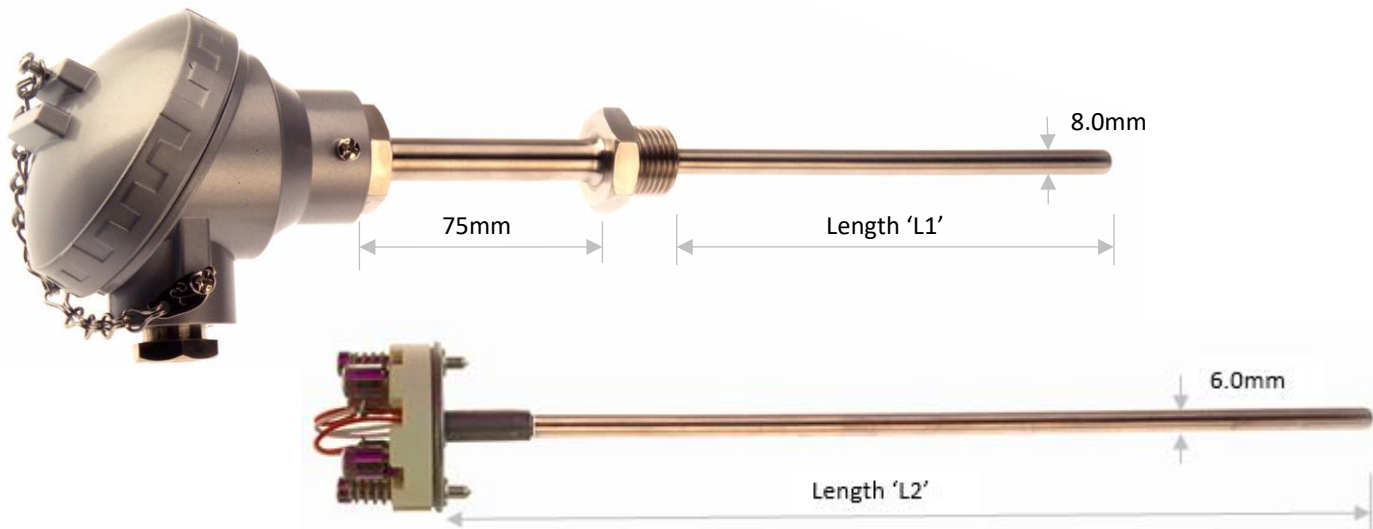# Datasheet

Platinum Resistance Pt100 Industrial Probe with Lagging Extension

4 wire sensor with 1/2"BSPP process connection & replaceable insert

- Heavy duty Pt100 probe with lagging extension
- IP67 aluminium alloy weatherproof connection head
- Replaceable probe insert with ceramic spring loaded terminal block
- Class B, 4 wire connection
- Available in lengths ('L1') of 150, 250 & 500mm
- 1/2"BSP parallel process connection
- 75mm lagging length
- Sensor temperature rating -50°C to +450°C
- Conforms to IEC 751
- Replaceable inserts available separately (see below)

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
Tolerance class:	Class B
Connection:	4 wire single element
Construction:	All welded stainless steel pocket assembly with removable probe insert 8.0mmØ 316 stainless steel below 1/2"BSP parallel process connection 1/2" diameter x 75mm lagging length to underside of connection head
Termination:	IP67 aluminium alloy weatherproof connection head
Insert:	6.0mm diameter 316 stainless steel terminated with spring loaded ceramic connection block
Process connection:	1/2"BSP parallel
Cable connection:	M20 x 1.5mm cable entry (gland included)
Probe temperature range:	-50°C to +450°C (connection head @ 170°C)

RS134/0320

Ordering information:

Complete probe assembly (includes insert)

DiaØ	Length 'L1'	Insert DiaØ	Length 'L2'	Allied code	RS order code
8.0mm	150mm	6.0mm	275mm	70644350	**455-3974**
8.0mm	250mm	6.0mm	375mm	70644351	**455-3980**
8.0mm	500mm	6.0mm	625mm	70644352	**455-3996**

Replaceable inserts (insert only):

Insert DiaØ	Length 'L2'	Allied code	RS order code
6.0mm	275mm	70644353	**455-4012**
6.0mm	375mm	70644354	**455-4028**