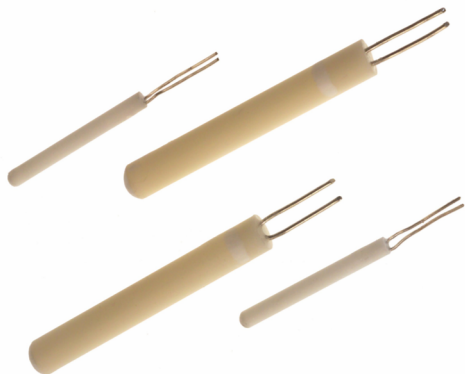




# LABFACILITY

## TEMPERATURE & PROCESS TECHNOLOGY

### Platinum Wire-Wound Detector Elements

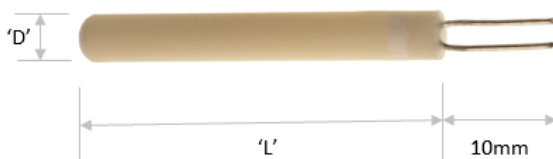


- ◆ Pt100 elements to IEC 60751 Class B
- ◆ 100Ω Ohms @ 0°
- ◆ Single element
- ◆ Platinum coil wire wound construction sealed inside a high purity alumina ceramic body
- ◆ Optimum performance & stability
- ◆ Temperature range -200°C to +650°C

#### Specifications:

Sensor type:	Pt100 (100 Ohms @ 0°C)
Construction:	Wire-Wound, 10mm tails
Temperature range:	-200°C to +650°C
Ice point resistance:	100Ω
Fundamental interval (0°C to 100°C):	38.5Ω (nominal)
Self heating:	0.02 to 0.3°C/mW
Thermal response:	<0.4s (secs. to 63% of final value – in water @ 1m/s)
Measuring current:	1mA
Tolerance Class:	In accordance with IEC 60751 W0.3 (Class B) -196°C to +660°C

Resistance	Tolerance Class	Diameter ('D')	Length ('L')	Farnell order code
Pt100	Class B	2.8mm	25mm	541-102



Platinum Wire-Wound Detector Elements



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