

Pt100 ELEMENTS, THIN FILM (100 Ohm) THERMOMETER INSERTS

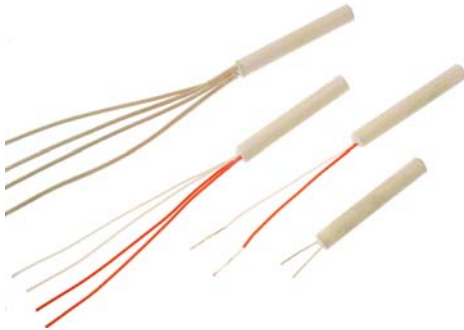
- Pt100 elements to IEC 751 Class A & B in ceramic sheaths
- Sheath 5.2mm diameter x 35mm long
- For use from -50°C to $+250^{\circ}\text{C}$
- Thin film construction
- Extension leads 7/0.2mm singles, copper, PTFE insulated
- Insulated leads rated -50°C to $+250^{\circ}\text{C}$
- 2 or 4 wire configurations
- Vibration resistant

Specifications of elements

| | |
|--|---|
| Sensor type: | Pt100 (100 Ohms @ 0°C) |
| Construction: | Thin film sensor in ceramic sheath |
| Temperature range: | -50°C to $+250^{\circ}\text{C}$ |
| Ice point resistance: | 100 Ω |
| Fundamental interval (0°C to 100°C) | 38.5 Ω (nominal) |
| Self heating | <005 $^{\circ}\text{C}/\text{mW}$ |
| Stability | $\pm 0.05\%$ |
| Sheath dimensions & tolerance class | 5.2mm O/D x 35mm, Class B |

Dimensions & codes

| | Farnell code | LAB code |
|-----------------------------|--------------|-------------|
| 50mm x 2 wire 7/0.2mm PTFE | 725-5731 | 01-412-RT/D |
| 450mm x 4 wire 7/0.2mm PTFE | 725-5743 | 01-412-RT/B |



Data Ref: FAR 60