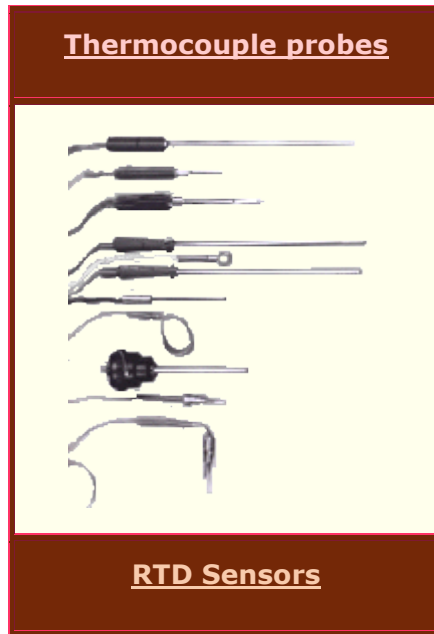


## TEMPERATURE CONTROL SENSORS



**PREMIER ELECTROSYSTEMS**

3 & 204A, Planet Industrial Estate, Subhash Rd, Vile Parle (East), Mumbai : 400 057, INDIA

TEL : +91 22 2616 99 23 / +91 22 2616 99 24

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## 1. Thermocouple Probes

For use with Digital Temperature Indicator Model : PE 221P (K type)

### Cr/Al probes with handle and two meter PVC cable.

- 1) General purpose immersion probe upto 600°C. 4.5mm dia x 300mm long SS Sheathing. For immersion application (Liquids/Air)
- 2) High Temperature immersion probe upto 1100°C. 6mm dia x 300mm long Inconel Sheath.
- 3) Needle probe upto 600°C. 1.5mm dia x 150mm long SS Sheathing. Fast response in air and liquids.
- 4) Prick probe upto 400°C. 3mm dia x 50mm long SS Sheathing sharp edge-tip (Chisel Shaped) for easy penetration into
- 5) Standard Leaf Probe 8mm dia x 200mm long SS Stem with 25mm leaf upto 400°C
- 6) Leaf probe - high Temperature 8mm dia x 300mm long SS Stem with 25mm leaf upto 1000°C
- 7) Gas probe upto 800°C. 8mm dia x 300mm long SS stem with shielded cage protecting sensor for air, exhaust gases.
- 8) Bare tip probe upto 600°C 4.5mm dia x 300mm long SS stem, Exposed junction for very fast response in air/gases.
- 9) Bow Shaped T/C sensor upto 800°C 12.5mm dia x 300mm long x Bow dia 150mm SS stem for curved surface temperature measurement.
- 10) Spring Loaded Surface Probe upto 400°C 8mm dia x 300mm long SS stem.
- 11) Washer type probe upto 600°C With ID 5mm dia.

### Head type thermocouple sensor

For use with Digital Temperature Indicator Model : PE 221 (T/C Ktype)

General purpose Immersion.

6mm dia x 300mm long SS Sheathing upto 400°C.

6mm dia x 300mm Inconel Sheathing upto 1100°C.

For continuous temperature monitoring of ovens/Furnaces.

### Mineral Insulated (MI) Thermocouples.

Bendable, vibration proof, fast response time

Thermocouple sensors.

Sheath dia Available - 1/1.5/3/4.5/6/8/mm.

### Bayonet Thermocouples

Fixed/ adjustable immersion length, straight type/ L type for plastic industry.

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## 2.RTD Sensors

### For use with Digital Temperature Indicator Model : PE 221P (RTD type)

Pt-100 RTD probes with handle and 2 meter 3 core PVC cable

1. General purpose immersion Probe upto 400°C. 4.5mm dia x 300mm long SS Sheathing.
2. Quick Response Immersion Probe upto 400°C. 3mm dia x 300mm long.
3. Needle Probe upto 200°C. 2.5mm dia x 300mm long SS Sheathing.
4. Prick Probe upto 400°C. 3mm dia x 50mm long SS Sheathing.
5. Gas Probe upto 400 °C. 8mm dia x 300mm long SS Sheathing

### HEAD Type RTD Sensors

#### For use with Digital Temperature Indicator

General purpose immersion  
6mm dia x 300mm long SS Sheathing upto 600°C.

### ACCESSORIES FOR HEAD TYPE SENSOR

- A. Male fitting below head.
- B. Fixed male fitting.
- C. Adjusting compression fitting.
- D. Adjusting flange fitting.

### GENERAL NOTES:

1. The indicating accuracies do not include the errors of Thermocouples /RTD.
2. Mechanical dimension and technical specification subject to change to incorporate the latest development and design.
3. Panel Mounting Instruments.

### Overall Dimensions

- A. 72mm (W) x 72mm (H) x 100mm (D)
- B. 96mm (W) x 96mm (H) x 40mm / 110mm / 180(D) C. 192mm (W) x 96mm (H) x 150mm(D)

### Panel Cutout

- A.68mm (W) x 68mm(H)
- B.92mm (W) x 92mm(H)
- C.184mm (W) x 92mm(H)

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