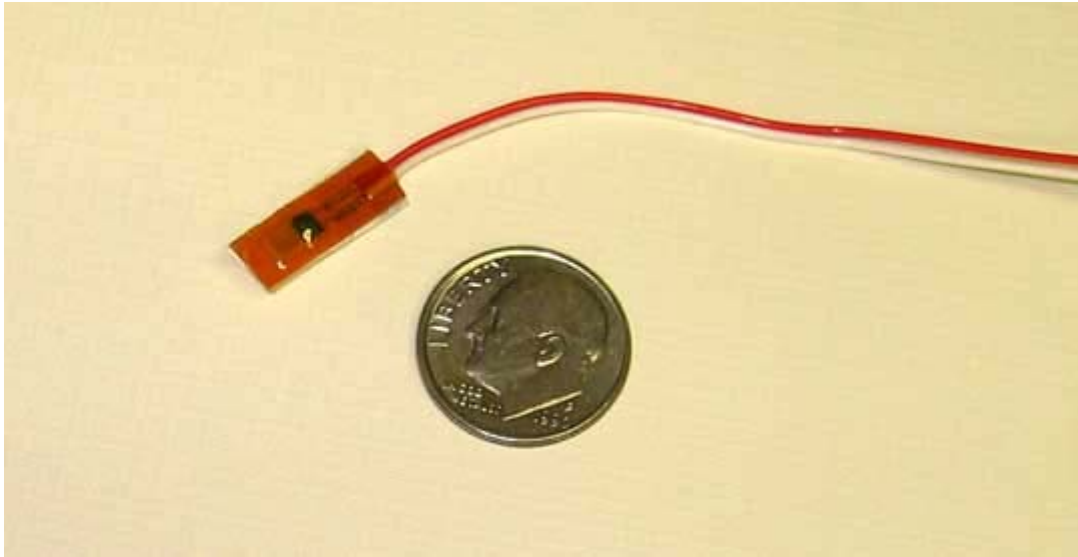


PT510 Platinum RTD Temperature Probe

Connects directly to any XR440 Data Logger input channel, no external power required. Up to four PT510 probes may be connected to one XR440 Data Logger.

- 200 degree C continuous temperature rating
- Ideal for surface temperature measurements
- Adhesive backing for easy mounting
- Low thermal mass for fast response
- Excellent moisture resistance



The PT510 consists of a thin-film 10,000 ohm platinum element encased in a laminated composition of Kapton, Silicon Rubber and Mylar. Pressure sensitive "peel and stick" adhesive backing. A maximum of four PT510 probes may be connected to one XR440 Data Logger.

Please Note: Standard 100, 200 and 1000 ohm RTDs do not work with the XR440 Data Logger.

| | |
|--|--|
| Temperature Range | -50 to 200°C (-58 to 392°F) |
| Resistance | 10,000 ohms at 0°C |
| Resistance Tolerance | ±0.12% at 0°C (conforms to IEC 751 Class B) |
| Total System Accuracy (using XR440 at 12 bit resolution) | ±1°C at 0°C ±1.5°C at 100°C ±2°C at 200°C |
| Resolution | Better than 0.4°C over entire range |
| Interchangeability | ±0.3°C at 0°C |
| Leads | Teflon insulated AWG 26, 40" (1 meter) length |
| Size | 0.2" x 0.6" x 0.08" max. (5mm x 15mm x 2mm max.) |
| Part Number | PT510 |
| Price | |

PT510 Extension Cable

If longer leads are required, you can easily splice extension cable to the PT510. We recommend using copper 24 gauge two-conductor stranded cable for cable extensions of up to 150 ft. (45 meters). For longer extensions, use 22 gauge two-conductor stranded cable. Acceptable methods of splicing sensor leads to extension cable include small wire nuts, crimp connectors, hand twisting and taping, or solder. For cable runs longer than 20 feet, we recommend using shielded cable (Belden 9501 or equivalent).