



S5-PT-100 FEATURES & SPECIFICATIONS

Overview

- The PT100 (Platinum Resistance Thermometer, 100 ohm) probe connects to a ScoutPlus transmitter
- The assembly consists of a standard PT100 sensor mated to an in-line conversion module that digitizes the signal for storage by the ScoutPlus.
- Two models are available, standard 'L' for most applications and 'H' probe with high-temperature cable for use above 250°C
- When mated with ScoutPlus, records 1, 10 and 60 minute data.

Temperature Specifications

- Temperature range of probe element (type L) . -199 °C to +250 °C
- Temperature range of probe element (type H) . 0 °C to +449 °C
- Accuracy (standard factory calibration)
 - +/- 0.10°C between 0°C and 100°C
 - +/- 0.25°C between -30°C and 0°C, and 100°C to 125°C
 - +/- 0.50°C between -80°C and -30°C, and +125°C to +250°C
- Optional calibrations available to provide higher degrees of accuracy: up to +/-0.02°C at all values dependent on type of calibration equipment used.

Environment / Mechanical / Electrical

- Connector for attaching to ScoutPlus: Dust / Water proofing IP67 when mated
- Length of cable (conversion module to ScoutPlus connector): 200mm
- Standard cable length (module to probe):1300mm (other lengths available to order)
- Cable construction
 - module to probe, type L: PTFE
 - module to probe, type H: glass fibre
 - module to ScoutPlus: PVC
- Probe construction food-grade stainless steel
- Probe size 200mm long, 6.35mm diam (other sizes available to special order)
- Interface module size 100 mm long, 20mm diameter approx (enclosed in cable)
- Battery: Lithium Thionyl Trichloride, encapsulated in module, life > 5 years

END OF DOCUMENT
