REMOTE PROBE STRAP-ON TEMPERATURE SENSOR

TSRP Series

The single point remote probe strap-on temperature sensor utilizes a precision sensor encapsulated in a 6mm (0.236”) OD, 304 series stainless steel probe and is available in various lengths. Standard wire length is 1.5m (5’). All probes are constructed to provide excellent heat transfer, fast response and are potted to resist moisture penetration.

PRODUCT HIGHLIGHTS

* Compact form factor enclosure with soft close cover
* IP 65 Enclosure
* Slotted mounting holes angled for ease of field installation
* Custom branding available

ENGINEERING SPEC’S

* Shall be IP65 (NEMA 4X) with a UL94-V0 rated enclosure
* External mounting tabs must be slotted & tapered away from enclosure to ease field installation
* Enclosure shall be complete with neoprene gasket for duct to enclosure seal
* Enclosure shall be complete with threaded (1/2 NPT and/or M16) conduit connection
* Cover must be hinged and securely attached in the open position
* Probe must be one-piece 6mm O.D 304 stainless steel full potted
* Sensing range must be -40 to 100°C (-40 to 212°F)
* Cover must contain security screw as extra protection from opening
* Product shall be CE approved

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| SPECIFICATIONS |  |
| **SENSOR TYPE** | **Thermistor or RTD**   * 100 Ω Platinum, IEC 751, 385 Alpha, thin film * 1801 Ω NTC Thermistor, ±0.2°C * 3000 Ω NTC Thermistor, ±0.2°C * 10,000 Ω Type 3, NTC Thermistor, ±0.2°C * 2.252K Ω NTC Thermistor, ±0.2°C * 1000 Ω Platinum, IEC 751, 385 Alpha, thin film * 1000 Ω Nickel, Class B, DIN 43760 * 10,000 Ω Type 3, NTC Thermistor, ±0.2°C c/w 11K shunt resistor * 20,000 Ω NTC Thermistor, ±0.2°C * 10,000 Ω Type 2, NTC Thermistor, ±0.2°C * 10,000 Ω, 25°C, ±1%, B = 3435 ±1% (25/85) |
| **SENSOR ACCURACY** | **Thermistors:** ±0.2°C (±0.36°F) @ 25°C (77°F)  **Platinum RTD’s:** ±0.3°C (±0.54°F) @ 0°C (32°F)  **Nickel RTD’s:** ±0.4°C (±0.72°F) @ 0°C (32°F) |
| **PROBE SENSING RANGE** | -40 to 100°C (-40 to 212°F) |
| **AMBIENT OPERATING RANGE** | 0 to 50°C (32 to 122°F), 5 to 95 %RH non-condensing |
| **WIRE MATERIAL** | PVC insulated, parallel bonded, 22 AWG |
| **WIRE LENGTH** | 1.524m (5’) |
| **PROBE MATERIAL** | 304 series stainless steel |
| **PROBE DIAMETER** | 6mm (0.236”) |
| **ENCLOSURE** | **A:** ABS, UL94-V0, IP65 (NEMA 4X)  **C:** same as A, with a terminal block  **E:** Same as C, with thread adapter and cable gland fitting |
| **TERMINATION** | **A:** Pigtail, 2 or 3 wire  **C & E:** Terminal block, 2 or 3 wire |
| **COUNTRY OF ORIGIN** | Canada |