OUTSIDE AIR TEMPERATURE SENSOR

TSOS Series

The single point outside air temperature sensor utilizes a precision sensor. All probes are constructed to provide excellent heat transfer, fast response, and are potted to resist moisture penetration. A sun and wind shield is integrated into a weatherproof compact Polycarbonate enclosure with a hinged and gasketed cover for ease of installation.

PRODUCT HIGHLIGHTS

* Compact form factor enclosure with soft close cover
* IP 65 Enclosure
* Fast response time
* Custom branding available

SPECIFICATIONS

|  |  |
| --- | --- |
| 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 50°C (-40 to 122°F) |
| AMBIENT OPERATING RANGE | -40 to 50°C (-40 to 122°F), 5 to 95 %RH non-condensing |
| WIRE MATERIAL | PVC insulated, parallel bonded, 22 AWG |
| PROBE MATERIAL | Machined Aluminum probe |
| ENCLOSURE | **A:** Polycarbonate, 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 |
|  |  |