



## OUTSIDE TEMPERATURE TRANSMITTER

TXOS Series

The single point outside temperature transmitter utilizes a precision platinum RTD 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 the enclosure. It is provided in a weatherproof Polycarbonate enclosure. A transmitter that provides a high accuracy signal with excellent long-term stability, low hysteresis and fast response is available with various ranges.

### 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
- Multiple mounting options
- Thermowell adapters



## SPECIFICATIONS

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SENSOR TYPE	1000 Ω platinum RTD
SENSOR ACCURACY	±0.3°C (±0.54°F) @ 0°C (32°F)
PROBE SENSING RANGE	-40 to 50°C (-40 to 122°F)
WIRE MATERIAL	PVC insulated, parallel bonded, 22 AWG
SUN/WIND SHIELD	Grey PVC, vented
OUTPUT SIGNAL	4-20 mA current loop, 0-5 Vdc, or 0-10 Vdc (factory configured)
TRANSMITTER ACCURACY	±0.1% of span, including linearity
OUTPUT DRIVE @ 24 VDC	<b>Current:</b> 600 mA maximum <b>Voltage:</b> 10 KΩ minimum
POWER SUPPLY	<b>0-5 Vdc:</b> 10-35 Vdc or 10-28 Vdc <b>0-10 Vdc:</b> 15-35 Vdc or 15-28 Vdc <b>4-20 mA:</b> 15-35 Vdc (loop-powered) or 22-28 Vdc
CURRENT CONSUMPTION	<b>Current:</b> 20 mA <b>Voltage:</b> 5 mA
MAXIMUM CURRENT (VOLTAGE)	5 mA nominal
MAXIMUM OUTPUT (VOLTAGE)	Limited to <5.5 Vdc or 0-5 Vdc, <10.5 for 0-10 Vdc
INPUT VOLTAGE EFFECT	Negligible over specified operating range
PROTECTION CIRCUITRY	Reverse voltage protected and output limited
AMBIENT OPERATING RANGE	-40 to 50°C (-40 to 122°F), 5 to 95 %RH non-condensing
ENCLOSURE	<b>A:</b> Polycarbonate, UL94-V0, IP65 (NEMA 4X) <b>E:</b> Same as A, with cable gland fitting
TERMINATION	Screw terminal block (14 to 22 AWG)
APPROVALS	CE
COUNTRY OF ORIGIN	Canada