

TruFluor™ DO Transmitter Preliminary

The TruFluor™ DO Transmitter is a remote, pipe or panel mounted, instrument which has been designed to optimize the performance and reliability of the TruFluor™ Dissolved Oxygen Sensor, by enabling automatic entry of calibration and traceability data using RFID, diagnostics, and verification.



Physical Description

Case Material	ABS
Rating	NEMA 4X
Dimensions	6.2"x 6.2"x 4.0" (157x157x103 mm)
Mounting	Remote, panel or pipe mounted (kit included)
Conduit Openings	Accepts Pg 13.5 conduit fittings
Display	Four line 20 character display Character height of 4.8 mm
Weight/Shipping Weight	2 lb/3 lb (1 kg/1.5 kg)

Specifications

Power	24 VDC @ 150 mA
Outputs (2)	Isolated 4-20 mA (dissolved oxygen and temperature)
Operating Temperature	0–50°C (32–122°F)
Storage Temperature	-20–70°C (-4–158°F)
Relative Humidity	10–90% (non-condensing)
Analog Output Signal	Two wire, 4–20 mA output Fully scalable over sensor range
Output Accuracy	+/- 0.05 mA
Diagnostics	The internal diagnostics can detect: LED failure, 4 to 20 mA loop errors, or zeroing errors
Calibration	Based on NIST traceable gas standards. Entered automatically using RFID tag.
Validation	System under development
RFI/EMI	EN-61326
Weight/Shipping Weight	1.5 lb/5 lb (0.7 kg/2.2 kg)
Warranty	Every TruFluor™ Transmitter is warranted for one full year (12 months) from date of shipment against defects in material and workmanship

Transmitter

TXN-TFO-AOI-CC	Remote, pipe or panel mounted transmitter
TXN-STN	Transmitter stand