



TruTrans™ Dual pH/DO

The TruTransmitter™ Dual pH/DO is designed for the simultaneous measurement of pH and dissolved oxygen (DO) using standard sensors. These units feature full text prompts, menu driven configuration, large backlit LCD display and isolated 4–20 mA outputs.



Features

- Simultaneous pH and DO measurement
- Dual isolated 4–20 mA outputs
- Real time display of diagnostic measurements
- Available in English, Spanish, French, German and Italian
- Pipe or panel mounted

Physical Description

Case Material	ABS
Rating	NEMA 4X/CSA 4 (IP 65)
Dimensions	6.0" x 6.0" x 4.0" (155x155x100 mm)
Mounting	Remote, panel or pipe mounted
Conduit Openings	Accepts Pg 13.5 conduit fittings
Display	16 character, two line, back-lit

Specifications

Power	12–42 VDC
Output	Two isolated 4-20 MA or 0-20 mA. Continuously adjustable. Linear or logarithmic
Operating Temperature	0–50°C (32–122°F)
Storage Temperature	-20–70°C (-4–158°F)
Relative Humidity	5–95% (non-condensing)
Analog Output Signal	Two wire, 4–20 mA output Fully scalable over sensor range
Output Accuracy	+/- 0.05 mA
RFI/EMI	EN-50081/EN-50082
Weight/Shipping Weight	Approximately 3 lb (2 kg)
Warranty	Every TruTransmitter™ is warranted for one full year (12 months) from date of shipment against defects in material and workmanship

pH Input

Measurement Range [pH]	0 to 14 pH
Accuracy/Repeatability	±0.01 pH
Stability	±0.01 pH/month, non-cumulative
Temperature Compensation	Pt100/Pt1000 RTD, Automatic or Manual -15 to 100°C (5 to 212°F)

Dissolved Oxygen (DO) Input

Measurement Range	0–20 ppm (mg/L) dissolved oxygen; 0–250% saturation
Resolution	0.01 ppm; 0.1 ppb for 499A TrDO sensor (when O ₂ <1.00 ppm); 0.1%
Temperature Correction	Automatic (with Pt100 RTD in sensor) or manual 0–50°C. Can be disabled if desired.

pH/DO Transmitter

TXM-PHS-DOS-PNL	Remote, panel mounted
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