



TruTrans™ pH

The TruTrans™ pH transmitter is designed for accurate measurement of pH using standard glass electrodes. These units feature full text prompts, menu-driven configuration, large backlit LCD display, isolated 4-20 mA outputs, and HART communications.



Features

- Ease of use
- Full text prompts
- Large backlit LCD display
- Isolated 4–20 mA output and HART communications
- 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	Isolated 4–20 mA
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
pH Range	0 to 14
Accuracy	±1.4 mV @ 25°C ±0.01 pH
Repeatability	±1 mV @ 25°C ±0.01 pH
Diagnostics	The internal diagnostics can detect: Calibration Error Sensor Failure High Temperature Warning CPU Failure Low Temperature Warning Input Warning ROM Failure Glass Warning Glass Failure Reference Warning Reference Failure
HART Communications	PV assigned to pH. SV, TV, and 4V assignable to pH, temperature, mV, glass impedance reference impedance, or RTD resistance
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 Transmitter

TXM-PHS-ANH-PNL	Remote, panel mounted
TXM-PHS-ANH-PIP	Remote, pipe mounted