

4TX Line Powered Transmitter for Analog pH & ORP Sensors

**Model 4TX Single Channel pH, ORP & Temperature
Meter & Analyzer**



[4TX Product Specifications \(PDF\)](#)

[4TX Operation Manual \(PDF\)](#)

[4TX Relay Supplement \(PDF\)](#)

[4TX Mounting Schematics \(PDF\)](#)

[4TX Hookup Schematic with Preamp \(PDF\)](#)

[4TX Hookup Schematic without Preamp \(PDF\)](#)

[Guide to quick disconnect Q7M/Q7F snap cable system for ASTI 2TX/4TX transmitters](#)

- pH/ORP MEASUREMENT & CONTROL
- USER SELECTABLE ATC PROBE
- (PT-1000, 10K THERMISTOR & 3K BALCO)

- FOUR PROGRAMMABLE RELAYS FOR pH or ORP
- REVERSIBLE AND ISOLATED 4-20 mA OUTPUT
- BUMBLESS CALIBRATION
- -10 TO + 120 °C TEMPERATURE COMPENSATION
- CUSTOM DESIGN LARGE DISPLAY LCD
- MEMBRANE SWITCH WITH AUDIO FEEDBACK
- AUTOMATIC TEMPERATURE COMPENSATION
- HIGH 50/60 Hz NOISE REJECTION
- POWER DOWN MEMORY BACK-UP
- WATERTIGHT IP65 1/4 DIN ENCLOSURE
- PROGRAMMABLE DELAY FOR WASH RELAY
- CE APPROVED

RS-485 Communications Protocol Documentation

COMPARISON CHART OF 3TX, 2TX & 4TX TRANSMITTERS

| Measurement | Input | Measurement Range | Outputs | Calibration Points | Compatible Sensor(s) | Special Features |
|-------------|-----------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------|
| pH | <i>Single Channel – pH</i> | pH – 2.00 to 16.00 pH | Current Output Range 4 to 20 mA (isolated), programmable span Maximum Load 500 ohm Accuracy ± 0.02 mA | – Built-in 6 point predefined or manual calibration option. | – User selectable- ATC probe: Pt-1000 thermistor or 3k Balco | – Cost Effective Transmitter for monitoring or control- RS-485 Output |
| ORP | <i>Single Channel – ORP</i> | mV (absolute) – 2500 to 2500 | Current Output Range 4 to 20 mA (isolated), programmable span Maximum Load 500 ohm Accuracy ± 0.02 mA | – Manual calibration option. | – User selectable- ATC probe: Pt-1000 thermistor or 3k Balco | – Cost Effective Transmitter for monitoring or control- RS-485 Output |