

2TX Loop Powered Transmitter for Analog pH & ORP Sensors

2TX 2-Wire Transmitter for pH, ORP and Temperature Measurements



[2TX Product Specifications \(PDF\)](#)

[2TX Operation Manual \(PDF\)](#)

[2TX Mounting Schematics \(PDF\)](#)

[2TX Hookup Schematic WITHOUT Preamp \(PDF\)](#)

[2TX Hookup Schematic WITH Preamp \(PDF\)](#)

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

- Large LCD Display of pH or ORP plus Temperature
- Power Down Flash Memory: Stores all calibration & parameter data even if the unit is powered down
- 6 Button easy to use Keypad w/ Intuitive Large Screen LCD Menu
- 1 or 2 Point pH Calibration
- Buffer Select: (4.01, 7.00, 10.01) or (4.00, 6.86, 9.18)
- Supports External Preamplifiers for Low-Noise Operation and Extended Cable Lengths up to 500 feet from 2TX meter
- Wide Operational Range of 12 V to 36 V DC
- Excellent Input / Output Signal Isolation
- Scaleable 4 to 20 mA Output
- EFF, Electrode Efficiency Function
- Auto ATC Temperature Sensor Select or Manual ATC
- 1/4 DIN, IP-65 Waterproof and Dustproof Enclosure
- **CE Approved**

Reliable & Affordable Isolated 2-Wire Loop Powered pH & ORP Transmitter

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

pH Range	-2.00 to 16.00 pH	mV Accuracy	± 1 mV
pH Resolution	0.01 pH	Temperature Range	-10.0 to 120.0 °C
pH Accuracy	± 0.01 pH	Temperature Resolution	0.1 °C
No. Of pH Calibration Points	Up to 2 points	Temperature Accuracy	± 0.3 °C
pH Buffer	(pH 4.01, 7.00, 10.01) or (pH 4.00, 6.86, 9.18)	Temperature Sensor (for ATC)	PT100, PT1000, 3K Balco, 10K thermistor
pH Electrode Offset recognition	± 90 mV	Temperature Compensation	ATC / MAN

pH Electrode Slope recognition	$\pm 30\%$	Signal Output	4.0 to 20.0mA
Input Impedance (Ohms)	$>10^{12}$	Under / Over range current output	3.80mA / 21.0 0mA
mV Range	-1000 to +1000 mV	Power Requirements	24V DC (12V to 36V DC)
mV Resolution	1 mV	Dimension	$\frac{1}{4}$ DIN, depth 148mm

<https://www.astisensor.com/2tx.php>