



## 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

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

<b>pH Electrode Slope recognition</b>	±30%	<b>Signal Output</b>	4.0 to 20.0mA
<b>Input Impedance (Ohms)</b>	>10 <sup>12</sup>	<b>Under / Over range current output</b>	3.80mA / 21.0 0mA
<b>mV Range</b>	-1000 to +1000 mV	<b>Power Requirements</b>	24V DC (12V to 36V DC)
<b>mV Resolution</b>	1 mV	<b>Dimension</b>	¼ DIN, depth 148mm

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