



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 | ±90mV | Temperature Compensation | ATC / MAN |

| | | | |
|---------------------------------------|-------------------|--|------------------------|
| pH Electrode Slope recognition | ±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 | ¼ DIN, depth 148mm |

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