4TX 4-Wire Transmitter for
pH, ORP and Temperature Measurements

The Right Features To Measure, Analyze And Control pH & ORP

- 4 programmable on/off relays: 4 for pH or 4 for ORP.
- 1 manual on/off relay for electrode wash.
- Automatic temperature compensated (ATC)
- Displays absolute and relative ORP.
- Programmable per relay for customized control.
- Isolated & reversible 4-20 mA output for pH or ORP. This output can be used as a proportional output.
- DC voltage output for pH/ORP pre-amplifier
- RS-485 output for remote access computer. This allows multiple units to be connected, ganged, together.
- Large LCD displays accurate and stable readings.
- Simultaneous display of: pH or ORP with temperature, and relay status.
- Quick And Easy Setup, Intuitive Operation
- Convenient calibration with automatic buffer recognition of US and European buffer sets.
- Calibration data is stored in memory and is ready for use on power up (no battery backup required).
- Standard ¼ DIN size with panel mount bracket standard.

pH, ORP & Temperature Specifications

Range
pH	-2.00 to +16.00 pH
mV (Absolute/Relative)	-2500 to 2500 / -6499 to 6499
Temp	-10.0 to +120.0 °C

Resolution
pH	0.01 pH
mV (Absolute/Relative)	1 mV / 1 mV
Temp	0.1 °C

Accuracy
pH	± 0.1 % pH ± 1 LSD
ORP	± 0.1 % ORP ± 0.1 ORP
Temp	± 0.1 °C

General
pH Temp Compensation	Auto -10.0 to +120.0 °C
pH Buffer Recognition	4.00, 4.01, 6.86, 7.00, 9.18, 10.01
pH Buffer Temp Range	0 to 60 °C
pH Offset Recognition	± 100 mV @ pH 7.00
	± 108.3 mV @ pH 6.86
pH Slope Recognition	± 30% for pH 4.01, 9.18, 10.01
Input Impedance	> 10^{13} Ohms
Preamplifier Output	± 5V DC with Common (Ref)

Temperature
Temperature Sensor	10K Therm. 3K Balco & 1K Pt

4-20 mA Output
Current Output Range	4-20 mA isolated
Current Output Scale	Programmable, linear or log
Maximum Load	500 Ohms
Accuracy	± 0.02 mA
Isolation Voltage	500 V DC

Relays
Control Type	5 ON/OFF Controls
Relay Output	5A @ 115VAC, 2.5A @ 230VAC

Other / General
Power Supply	115 VAC/230 VAC @ 50/60 Hz
Security	4-digit password
Digital Communication	RS-485
Display Size	16mm wide by 8.5mm tall
Ambient Temp Range	0 to 50 °C
Case	IP65, ¼ DIN case, 148mm depth
Weight	940 grams

- Standard terminal block for tinned leads connectors.
- ATC supported: Pt-1000, 10k thermistor or 3K Balco.
- Analyzer is in a complete watertight case (IP65).
- Displays slope (efficiency) to optimize maintenance.
- Password protection for beter security & stability.
- CE Approved