

pH AND ORP TRANSMITTERS/CONTROLLERS IN 1/8 DIN CASE OR



Clear LCD displays pH or ORP and temperature

Easy to install 1/8 DIN plastic case or enclosure

Universal power supply input from 100-240VAC

Automatic US and NIST buffer recognition

Two sets of programmable on/off relays (TX20)

Or isolated, reversible 4-20mA current output (TX10)

The TX10 and TX20 transmitter series offers a cost-effective, small footprint solution for pH and ORP process control. Save space in your panel with either of these 1/8 DIN size models. The simple and easy to understand user interface features a four button membrane keypad for quick set up and programming. The TX10 has an isolated, reversible 4-20mA current output, providing versatility for a wide range of process control applications. The TX20 features two sets of programmable on/off relays, allowing the device to control warning lights, alarms or other process control systems. Both models feature a large, clear LCD panel display for quick and easy reference to pH, or ORP, or temperature.

SPECIFICATIONS

pH Buffer Recognition	US (4.01, 7.00, 10.01) or NIST (4.00, 6.86, 9.18), user selectable
pH Electrode Offset Recognition	± 100mV at pH 7.00 / -91.7mV to 108.3mV at pH 6.86
pH Electrode Slope Recognition	± 30% at pH 4.00, 4.01, 9.18 or 10.01
Temperature Compensation	Auto/Manual -10.0-120°C
Input Impedance	>10 ¹³ ohms
Input Select	User selectable pH or ORP
Control Type / Relay Output (TX20)	2 ON/OFF controls / 5A at 115V AC or 2.5A at 220V AC, resistive load only
Current Output Range/ Scale (TX10)	4-20mA (isolated) / Linear
Maximum Load	500 ohm
Isolation Voltage	500 VDC
Display	LCD with back-lighting
Power	100-240 VAC at 50/60 Hz
Ambient Temperature Range	0-50°C
Case	1/8 DIN, 90mm depth

RESOLUTION AND ACCURACY

	Range	Resolution	Accuracy
pH	-2.00 to 16.00 pH	0.01 pH	± 0.1% ± 1 digit
ORP	-1999.9 to 1999.9mV	1mV/0.1mV	± 0.1% ± 1 digit
Temperature	-10.0 to 120.0°C	0.1°C	± 0.3°C

ORDERING INFORMATION

Part Number	Description
TX10	4-20mA pH and ORP transmitter in 1/8 DIN case or enclosure
TX20	pH and ORP Transmitter/controller with two sets of programmable on/off relays in 1/8 DIN case or enclosure

DESIGNED AND ASSEMBLED IN CALIFORNIA, USA

11751 MARKON DRIVE • GARDEN GROVE, CA 92841 • 714.895.4344 • WWW.SENSOREX.COM

© Sensorex Corporation. All rights reserved. In the interest of improving and updating its equipment, Sensorex reserves the right to alter specifications to equipment at any time.