

### pH AND ORP TRANSMITTERS/CONTROLLERS IN 1/8 DIN ENCLOSURES



Clear LCD displays pH or ORP and temperature

Easy to install 1/8 DIN plastic 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

<b>pH Buffer Recognition</b>	US (4.01, 7.00, 10.01) or NIST (4.00, 6.86, 9.18), user selectable
<b>pH Electrode Offset Recognition</b>	± 100mV at pH 7.00 / -91.7mV to 108.3mV at pH 6.86
<b>pH Electrode Slope Recognition</b>	± 30% at pH 4.00, 4.01, 9.18 or 10.01
<b>Temperature Compensation</b>	NTC 10k or Pt1000 RTD (automatic) or manual
<b>Input Impedance</b>	>10 <sup>13</sup> ohms
<b>Input Select</b>	User selectable pH or ORP
<b>Control Type / Relay Output (TX20)</b>	2 ON/OFF controls / 5A at 115V AC or 2.5A at 220V AC, resistive load only
<b>Current Output Range/ Scale (TX10)</b>	4-20mA (isolated) / Linear
<b>Maximum Load</b>	500 ohm
<b>Isolation Voltage</b>	500 VDC
<b>Display</b>	LCD with back-lighting
<b>Power</b>	100-240 VAC at 50/60 Hz
<b>Ambient Temperature Range</b>	0-50°C
<b>Case</b>	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 to 1999 mV	1 mV	± 0.1% ± 1 digit
Temperature	-10.0 to 120.0°C	0.1°C	± 0.3°C

## ORDERING INFORMATION

### Part Number Description

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