

### CONDUCTIVITY TRANSMITTERS/CONTROLLERS IN 1/8 DIN CASES



LCD displays conductivity or resistivity & temperature

Easy to install 1/8 DIN plastic case

Universal power supply input from 100-240VAC

Automatic or manual temperature compensation

Two sets of programmable on/off relays (CX20)

Or isolated, reversible 4-20mA current output (CX10)

| Basic Cell K | Range                                | Resolution            | Accuracy              |
|--------------|--------------------------------------|-----------------------|-----------------------|
| 0.01         | 0.000~ 1.999uS/cm<br>0.000~19.999M Ω | 0.001uS/cm<br>0.01M Ω | ± 0.5%FS<br>± 1 digit |
| 0.01         | 0.000~ 19.99uS/cm<br>0.000~1.9999M Ω | 0.01uS/cm<br>0.001M Ω | ± 0.5%FS<br>± 1 digit |
| 0.10         | 0.000~ 19.99uS/cm                    | 0.01uS/cm             | ± 0.5%FS<br>± 1 digit |
| 0.10         | 0.000~ 199.9uS/cm                    | 0.1uS/cm              | ± 0.5%FS<br>± 1 digit |
| 1.00         | 0.000~ 199.9uS/cm                    | 0.1uS/cm              | ± 0.5%FS<br>± 1 digit |
| 1.00         | 0.000~ 1999uS/cm                     | 1uS/cm                | ± 0.5%FS<br>± 1 digit |
| 1.00         | 0.000~ 19.99mS/cm                    | 0.01mS/cm             | ± 0.5%FS<br>± 1 digit |

### SPECIFICATIONS

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| <b>Cell Constant</b>             | 0.01, 0.1, 1.0 (2 electrode)                    |
| <b>Reference Temperature</b>     | 25.0°C, factory set                             |
| <b>Temperature Coefficient</b>   | 2.00 or 0.00%, user selectable                  |
| <b>Temperature Sensor</b>        | Thermistor: 10k ohm at 25°C                     |
| <b>Operating Temperature</b>     | -10°C to 120°C (± 0.3°C, 0.1°C resolution)      |
| <b>Current Output (CX10)</b>     | 4-20mA (isolated), user programmable            |
| <b>Relays (CX20)</b>             | 5A at 115VAC or 2.5A at 220VAC (resistive only) |
| <b>Maximum Load</b>              | 500 ohm                                         |
| <b>Output Accuracy</b>           | +/- 0.03mA                                      |
| <b>Isolation Voltage</b>         | 500VDC                                          |
| <b>Keys</b>                      | Audio feedback for all keys                     |
| <b>Power</b>                     | 100VAC to 240VAC, 50/60Hz                       |
| <b>Ambient Temperature Range</b> | 0.0°C to 50.0°C                                 |
| <b>Case</b>                      | IP65, 1/8DIN case, depth 90mm                   |
| <b>Dimensions and Weight</b>     | 96mm W x 48mm H (290g)                          |

The CX10 and CX20 transmitter series offers a cost-effective, small footprint solution for conductivity and resistivity process measurements. Save space in your panel with either of these 1/8 DIN case models. The simple and easy to understand user interface features a four button membrane keypad for quick set up and programming. The CX10 has an isolated, reversible 4-20mA current output, providing versatility for a wide range of process control applications. The CX20 features two sets of programmable on/off relays, allowing the device to control warning lights, alarms or other process control systems.

### ORDERING INFORMATION

#### Part Number Description

#### CX10

4-20mA conductivity transmitter in 1/8 DIN case

#### CX20

Transmitter/controller with two sets of programmable on/off relays in 1/8DIN case

DESIGNED AND ASSEMBLED IN CALIFORNIA, USA

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