

CONDUCTIVITY TRANSMITTERS/CONTROLLERS IN 1/8 DIN CASES

SPECIFICATIONS



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 0.000~19.999M Ω	0.001uS/cm 0.01M Ω	± 0.5%FS ± 1 digit
0.01	0.000~ 19.99uS/cm 0.000~1.9999M Ω	0.01uS/cm 0.001M Ω	± 0.5%FS ± 1 digit
0.10	0.000~ 19.99uS/cm	0.01uS/cm	± 0.5%FS ± 1 digit
0.10	0.000~ 199.9uS/cm	0.1uS/cm	± 0.5%FS ± 1 digit
1.00	0.000~ 199.9uS/cm	0.1uS/cm	± 0.5%FS ± 1 digit
1.00	0.000~ 1999uS/cm	1uS/cm	± 0.5%FS ± 1 digit
1.00	0.000~ 19.99mS/cm	0.01mS/cm	± 0.5%FS ± 1 digit

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