CX2000 CONDUCTIVITY/ RESISTIVITY TRANSMITTER

PRODUCT SPECIFICATION SHEET

4-20mA outputs for conductivity or resistivity + temp

2 Hi/Lo Relays for controlling alarms, pumps and more

Large LCD display with auto-sense backlight and contrast setting

NEMA 4X, IP65 enclosure

Sample averaging to enhance stability

Compatible with Sensorex CS8000 and CS150 series sensors

The CX2000 is a full-featured Conductivity or Resistivity transmitter/controller. Simply power up your CX2000 with 110-240V AC power and you get a controller with a wide range of useful features:

2 relays, 1 wash control, 2 each 4-20mA outputs (Cond & Temp or Resistivity & Temp).

Calibration is simple with preset standards and can be password protected with a programmable security code.

Mounting choices include: wall or panel.

The large LCD display with auto-sense backlight and contrast adjust makes the CX2000 display so it can be easily viewable in all areas.

SPECIFICATIONS

Measuring Range (Conductivity)	0.000 uS/cm -200.0 mS/cm in 5 ranges 0.01/.01/1 uS/cm, 0.01/0.1mS/cm resolution, +/-1% Accuracy (+/- 1 digit)
(Resistivity)	0.00-20.00 MΩ • cm, 0.01 MΩ • cm resolution, +/-1% Accuracy(+/- 1 digit)
Temperature Range	-30 °C to 130 °C, 0.1 °C resolution, 0.2 °C accuracy
Calibration Mode	Automatic with built-in standard solutions manual cell constant adjustment
Cell Constants	0.01, 0.05, 0.1, 0.5, 10/cm fixed or freely selectable 0.0080 - 19.99/cm
Analog Output 1	Isolated DC 0/4 -20mA, corresponding to conductivity or resistivity. Max load 500 Ω.
Analog Output 2	Isolated DC 0/4 -20mA, corresponding to temperature output. Max load 500 Ω.
Set-Points	Contact: 240V AC, 5A max Activate: setpoints Hi/Low, Hi/Hi, Low/Low, ON/OFF
Enclosure	NEMA 4X IP65, with push-button control pad. HWD: 96 mm (3.77") x 132 mm (5.20"), 1/4 DIN
Panel Cut-Out	93mm (3.66") x 93mm (3.66")
Weight	approx. 0.50kg (1.1lb)
Mounting Options	Panel or Wall Mount
Ambient Temperature	0 ° C to 50 ° C
Storage Temperature	-10 ° C to 70 ° C
Temperature Compensation	NTC 30K or Pt1000 RTD with automatic compensation or manual
Temperature Coefficient	Linear comp 0.00-40.00%, Non-linear comp for natural waters
Power Requirement	100-240V AC +/- 10%, 5W max, 50/60 Hz

PARTS COVERED BY THIS PRODUCT DATA SHEET INCLUDE: CX2000

ORDERING INFORMATION

Part Number	Description
CX2000	Conductivity, Resistivity, Controller requires 110-240V AC power. 2 relays, 2 each 4-20mA outputs & wash control. 1/4 DIN enclosure. note: RS485 output version is also available. Please contact Sensorex for details.

DESIGNED AND ASSEMBLED IN CALIFORNIA, USA

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