

# CR500 CIRCULAR CHART RECORDERS

Records Flow, pH, Level, or any Analog or Temperature Value



- Accepts any powered analog signal or temperature input
- Quick and easy setup– even without a manual
- Uses standard, brand name chart paper
- Optional transmitter power supply
- UL, CUL, CE

## Specifications

### Circular Chart Recorders Power

Line Voltage: 110/220VAC, 50/60Hz

Power Consumption: 15VA maximum

Battery Backup: Standard 9 volt, up to 48 hours of operation

NOTE: The CR500 circular chart recorders are not recommended for use in remote non-powered areas.

### Circular Chart Recorders Inputs

Thermocouple (T/C)

Type J, K, T, R, B, S, RTD: PT 100 ohm RTD (385 curve)

Linear: 4-20 mA

Ambient Error:  $\pm 0.01\%$  span/ $^{\circ}\text{C}$  from  $25^{\circ}\text{C}$  ambient

Isolation: Inputs share common ground on 2-pen units

Input: Impedance Linear = 249 ohm, TC = 470Kohm

### Circular Chart Recorders Recording

Chart Size: 10"

Recording Accuracy:  $\pm 0.5\%$  of span (100 division span)

Recording Error:  $\pm 5\%$  of span

Recording Repeatability:  $\pm 1\%$

### Circular Chart Recorders Environmental & Physical

Operating Temperature: 0 to  $60^{\circ}\text{C}$

Panel Rating: Nema 3 std (Nema4 option)

Dimensions: 14.0" (H) x 14.0" (W) x 3.8" (D)

Weight: 7 pounds maximum

### Circular Chart Recorder Powered Sensor Option

Transmitter Power Supply: 12VDC @ 1.0A

## Description

The Global Water CR500 series circular chart recorders provide reliable, accurate records for your analog and temperature data. The CR500's universal configurable input(s) will accept virtually any type of thermocouple, RTD, 4-20mA, or voltage sensors. With its easy to use, self documenting configuration chart, the CR500 provides quick and trouble-free programming. The CR500 also lets you save money and avoid confusion by using standard 10" Honeywell® or Partlow® chart paper.

To protect your process information, the CR500 comes standard with a battery backup option, which provides continuous recording for up to 48 hours in the event of power loss. Choose our optional built-in transmitter power supply to power virtually any analog sensor, including pressure, level, pH, flow, or any number of other sensors, directly from the CR500.

Choose from standard one- or two-pen units and recorders with programmable alarm relay outputs. Each of our CR500 recorders includes chart pen(s), a 9 VDC backup battery, configuration charts, and a box of starter chart paper.

Call or email us for these available non-stock options: LED process display, NEMA 4 enclosure, direction of rotation.

## Options and Accessories

### CR500-01 Circular Chart Recorder

One Pen and no relay outputs

### CR500-02 Circular Chart Recorder

One Pen and one relay output

### CR500-03 Circular Chart Recorder

Two Pen and no relay outputs

### CR500-04 Circular Chart Recorder

Two Pen and two relay outputs

### CR500-XPWR Transmitter Power Supply

120VAC power supply

### CP400 Red Pen Pack

Pen for input 1, 6 pens per pack

### CP401 Blue Pen Pack

Pen for input 2, 6 pens per pack

### CP402 Green Pen Pack

Pen for input 2, 6 pens per pack

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