

## 3101 Conductivity Controller

Monitor and control conductivity in process water



- Programmable wide measurement range
- Automatic temperature compensation
- Set points on front panel
- Large bright red LED screen
- Dual heavy duty output relays

### Description

Global Water's Conductivity Controllers are high performance digital indicating, dual set point, ON/OFF controllers for conductivity, that use a temperature compensated conductivity probe. The Conductivity Controllers have a K=1.0 cell constant conductivity probe with a front panel cell adjustment potentiometer. The conductivity controller features an analog voltage output of 1 mV/LSD for recorders, printers, computer interfacing peripherals, ect. The conductivity controller's display is a large 0.56" high efficiency bright red LED.

The overall conductivity indication and control range for the model 3101 is 0 to 200 mS/cm, multiple ranges can be selected via internal DIP switches. The conductivity controllers are packaged inside of a 1/8 DIN front panel mount enclosure. Conductivity controller probe connectors are spade lug type. All conductivity controllers are heat cycled 100 hours prior to shipment.

### Specifications

*Range and resolution (internal DIP switch selectable):*

Range	Resolution
0-200 mS/CM	1 mS/CM
0-99.9 mS/CM	0.1 mS/CM
0-9.99 mS/CM	0.01 mS/CM
0-999 uS/CM	1 uS/CM

*Accuracy: ± 1% of span ± 1 digit*

*Automatic Temperature Compensation: 5° to 55°C, 2%/°C*

*Cell Constant: 1.0, Front panel cell constant adjustment*

*Conductivity Controller:*

*Range: Over 0 to 900 count*

*Control Action: On/Off*

*Relay Output: 8 Amp at 115 VAC, 4 Amp at 230 VAC, resistive load*

*Recorder Output: 1mV/LSD, ±0.5%, ±1 mV*

*Decimal Point: Internal DIP switch selectable*

*Relay Output: 8 Amp at 115 VAC, 4 Amp at 230 VAC*

*Readout: 0.56" high efficiency red LED display*

*Power Source: 115 VAC, 230 VAC ± 15% 50/60 Hz*

*Dimension: 3.75x2x6.625in (96x48x167mm)*

*Weight: 1.5 lbs (0.69 kg)*

### Options and Accessories

#### 3101 Conductivity Controller

Does not include conductivity cell.

#### 392-120 Industrial Conductivity Sensor

SS probe, Platinum, K=1.0, 0 to 1000 uS, 10-ft cable, ABS Plastic Body, 3/4 in MNPT mounting, Tinned Leads

#### 392-121 Industrial Conductivity Sensor

SS probe, Platinum, K=1.0, 0 to 5000 uS, 10-ft cable, ABS Plastic Body, 3/4 in MNPT mounting, Tinned Leads

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