

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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