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, etc. 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: 0-200 mS/CM
  - Resolution: 1 mS/CM
  - Range: 0-99.9 mS/CM
  - Resolution: 0.1 mS/CM
  - Range: 0-9.99 mS/CM
  - Resolution: 0.01 mS/CM
  - Range: 0-999 uS/CM
  - Resolution: 1 uS/CM

- **Accuracy:** $\pm 1\%$ 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 $\pm 15\%$ 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

---

Global Water
The Leader in Water Instrumentation

Contact Global Water for all your instrumentation needs:
- Water Level
- Water Flow
- Water Samplers
- Water Quality
- Remote Monitoring
- Control

Visit our online catalog at:
www.globalw.com
Our Address:
11390 Amalgam Way
Gold River, CA 95670

In the U.S. call toll free at 1-800-676-1172
International: 916-638-3429
Fax: 916-638-3270
Email: globalw@globalw.com