

Conductivity Controller Model 110-COND



Features

- Precision indication of conductivity
- Automatic Temperature Compensation
- 4 Step Range selection 0.1µs to 199.9ms
- 2 independent Set Points with High and Low logics for on-line control
- Front Panel 'touch type' membrane switch to read the limits set.
- Voltage corresponding to Conductivity available for external recorder.
- 'Cell Adjust' on front panel for calibration.

Specifications

- Display : 3½ Digit LCD
- Range : a. 199.9µs
b. 1999µs
c. 19.99ms
d. 199.9ms
The range is selectable from the rear and can be calibrated by 'Cell Adj' at the front for individual range.
- Resolution : 0.1µs to 0.1ms depending on range selected.
- Accuracy : ± 0.5% of Full Scale ± 1 Least Significant Digit.
- Sensor : 'Contact Type' with Cell Constant 1.0
- Temperature Compensation : Uses PT100, precision temperature sensor (External).
The Compensation is internally set at 2% per °C
NOTE: If PT100 is not available, then fix a simulated resistance of PT100 @ 25°C approx. 110Ω. Instrument will not work otherwise.
- Limit Setting : Using 2 Nos. 10 turn precision trimpots on front panel to set the High/Low Limits
- Control Output : Two set of NO-P-NC, 5 Amps potential free Relay Contacts.
a. Relay 1 (High) ON, for Conductivity > High Limit
b. Relay 2 (Low) ON, for Conductivity < Low Limit
- Recorder Output : 0-2V for the selected range
Max. current output capability 2mA
- Supply : 110V AC/220V AC ± 15% Internally selectable
- Size : Front Fascia – 96mm x 96mm, Cut Out – 92mm x 92mm
- Cabinet : Flame retardant grade Plastic enclosure