

Conductivity/TDS Indicator Model 5500

Features



- Precision indication of conductivity
- Automatic Temperature Compensation @2%/°C using PT-100
- Front panel 5 range selector from 199.9ms to 19.99µs
- Cell factor selectable, 1.0 OR 0.1 with front panel calibration facility
- Reads T.D.S. in ppm
- Front panel 'touch type' membrane switches to select Range, cell factor and T.D.S.
- Bright RED LED display

Specifications

- Display : 3½ Digit 0.5" RED LED display
- Range : 19.99ms 199.9ms
1999 µs ← 0.1 Cell Factor 19.99ms ← 1.0 Cell Factor
199.9µs 1999 µs
19.99µs 199.9µs
Selectable by a touch switch & indicated by respective LED lamp
- Resolution : 0.01ms or 0.01µs depending on range & Cell factor
- Accuracy : ± 0.5% of F.S. ± 1 Least Significant Digit
- Sensor : 'Contact type' with Cell constant 0.1 or 1.0. The Cell constant can be selected from the front panel touch switch - 'Cell factor'
- T.D.S. : Total Dissolved Solid factor can be read directly in ppm on the 3rd range (1999µs/cm) by touching the front panel 'TDS' switch.
- Temperature : Uses PT-100, precision temperature sensor (external). The compensation Compensation is internally set at 2% per °C with reference at 25°C.
NOTE: If PT-100 is not available, then fix a simulated resistance of PT-100 at 25°C, approximately 110Ω
Instrument will not work otherwise.
- Supply : 220V AC ± 15% @ 50Hz/60Hz
- Size : Front Fascia – 96mm x 96mm, Cut -Out – 92mm x 92mm
- Cabinet : Powder coated metallic cabinet

Manufactured By:

COUNTRONICS

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Conductivity Controller Model 110-Cond



Features

- Precision indication of conductivity
- Automatic Temperature Compensation
- 4 Step Range selection 0.1µs to 199.9ms
- Two Set Point independent High/Low limits 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
(On request instrument with 0.1 cell constant can also be supplied).
- 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

Manufactured By:

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