4000 EC Electrodeless Conductivity Analyzer

Advanced Contactless Conductivity Monitoring with Waltron's 4000 EC Analyzer

The Waltron 4000 EC Electrodeless Conductivity Analyzer leverages innovative contactless technology for precise, high-range conductivity measurements. Featuring user-defined solution curves and a broad range of units, it delivers unmatched accuracy and flexibility. Supported by Waltron's strong U.S. team, the 4000 EC ensures reliable and efficient water monitoring in diverse applications.

Key Features

- Single-Channel Electrodeless Conductivity for use with a wide range of inductive sensors

- Able to simultaneously display conductivity, % solution concentration, and temperature

- Easy to install and configure

- Durable 1/2-DIN IP66 NEMA 4X enclosure can be panel, surface, or pipe-mounted

- Simple, intuitive menu, with soft-touch buttons

- The instrument can be adjusted in off-line mode

- Choice of 12-30VDC or 90-265VAC versions

- Includes two relays, two digital inputs, and two 4-20mA outputs

- Large, clear LCD backlit display

Specifications

Parameter: Conductivity

Technology: Electrodeless

Range(s): Multiple

Accuracy: ± 1 % of range

Sample Streams: 1

Response Time: t90 < 30 sec

Cycle Time: Continuous

Analog Outputs: Single current output, selectable 0-20mA or 4-20mA into 750 ohms max, fully isolated to 2kV. Expandable across the full operating range and offset anywhere in that range. Loop fault detection.

Alarms: 2 normally open, fully configurable setpoints, with volt-free contacts for each relay.

Calibration Method: Process

Calibration Frequency: Probe-dependant

Ambient Conditions: 0-130°F / -20-55°C

Sample Temperature: Probe-dependant

Sample Flow/Pressure: Probe-dependant

Mechanical

Power: Universal 90-265vAC, 10W max. LV Option 12-30vDC, 5W max

IP Rating: IP 66, NEMA 4X

Dimensions: Front panel 144 x 144mm (Panel-cut out: 138 x 138mm)

Weight: 4.9 lbs / 2.2 kg

Mounting: Panel, wall, pipe mounting

Materials: High Strength ABS