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LEAFLET



EC3000

EC TRANSMITTER, DIN-RAIL,
4-20 mA



TO MEASURE  TO KNOW



E. Conductivity Transmitter

- Two wire 4/20 mA operation**
- Isolated current loop output**
- LCD Display**
- 3 selectable scales**
- 2 or 4 electrodes E.C. cell inputs**
- Automatic or manual temperature compensation**
- Temperature display**
- Frequency selectable**
- Decimal point selectable**
- 10/30 Vdc power supply**
- Direct connection to PC's**
- Din Rail mounting**
- Detachable terminal blocks**



General informations

The conductivity transmitter incorporates a large LCD display which is easily readable even from considerable distances.

The transmitter will display temperature values of manual or automatic temperature compensation devices.

The automatic temperature compensation is achieved with use a 100 ohm platinum RTD, with temperature coefficient display.

The transmitter is powered by an external power supply from 10 to 30Vdc. The same two wires which provide power to the transmitter also carry the 4/20 mA output conductivity signal. Zero and sensitivity (span) calibration adjustments are located on the front of the panel and are easily accessible.

The 4/20 mA output is isolated for input into recorders or other devices requiring a 4/20 mA input signal. The input/output isolation also allows input into Personal Computers accepting 4/20 mA inputs.

A common power supply may be used to power other transmitters without interference from other measurement devices or sensors.

All plastic construction provides maximum resistance to corrosion. Detachable terminal block connectors and Din Rail mounting provide for easy field installation.

Technical Specifications

Display: LCD

Inputs: 2-electrodes E.C. cell 4-electrodes E.C. cell
RTD Pt100 2 or 3 wire

Output: 4/20 mA isolated

Scales: 0/199.9 μ S 0/1,999 μ S 0/19.99 mS -10.0/120 $^{\circ}$ C

Temperature Compensation: manual or automatic

Temperature Compensation Coefficient:

Temperature Compensation Reference:
20 $^{\circ}$ C

Zero: adjustable \pm 15%

Sensitivity: adjustable from 86% to 112% narrow range
adjustable from 0/160% wide range

Operating Temperature: 0/50 $^{\circ}$ C

Operating Humidity: 0/95% R.H. non-condensing

Power supply: 10/30 Vdc

Isolation: 500V input to output

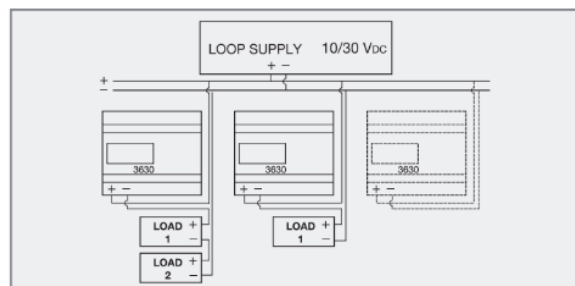
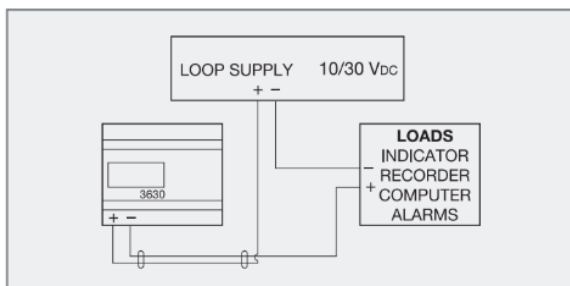
Terminal blocks: detachable

Net Weight: 200 g

Dimensions: 105x95x58 mm (6 modules)

Mounting: DIN Rail (35x7.5 mm Rail)

Technical specifications could be changed without notice





3000 Series DIN RAIL

- High accuracy**
- High reliability**
- Modular design**
- Low installation costs**
- Compact size**

General information

This series of analyzers and transmitters has been designed for the measurement and control of:

- pH
- O.R.P.
- Conductivity
- Electrodeless Conductivity
- Residual Chlorine
- Temperature

For OEM applications in industrial process, with continuous readings on LCD display.

These instruments provide accurate, low cost measuring and control for industrial process, water treatment and wastewater applications.

The Series is made of 3 different models, which allow Customers to select the most suitable solution according to their application and installation.

Models **3645** and **3655** feature one relay and a 4...20 mA output, not isolated.

Models **3647** are same as the models above, but with 2 relays.

Models **3630**, thanks to a "current-loop" 4...20 mA output, are the ideal solution for those installations where controlling is done via PLC or other remote supervision and control devices, without losing the possibility to calibrate near the sensor.

Accessories for installation



BC 9408

Water-tight enclosure for 1 unit

Protection: IP65 (NEMA 4X)

Dimensions: 205 x 220 x 140 mm



BC 9412

Water-tight enclosure for 2 units

Protection: IP65 (NEMA 4X)

Dimensions: 275 x 220 x 140 mm

BC 9491

Wall mounting brackets for BC9408 and BC 9412

BC 95106

Frame for panel mounting of DIN Rail instrument (6 modules).



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