

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 block**



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 of 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 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.

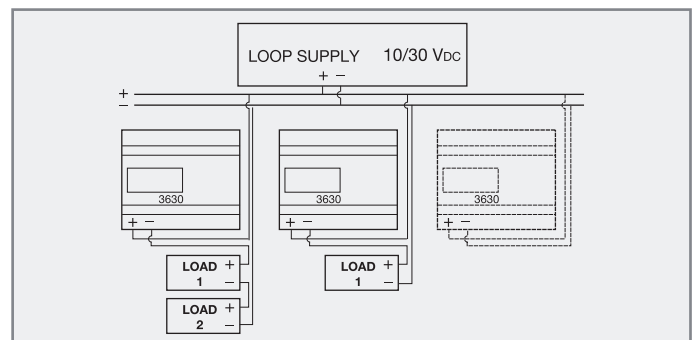
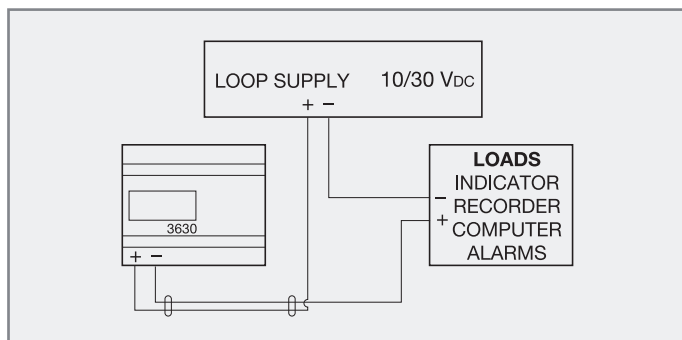
A common power supply may be used to power other transmitters without interference from other measurement devices or sensors.

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 Pt 100 2 or 3 wire
Output: 4/20 mA isolated
Scales: 0/199.9 µS 0/1,999 µS 0/19.99 mS -10.0/120.0 °C
Temperature Compensation: manual or automatic
Temperature Compensation Coefficient: 0/4.0 %/°C adjustable
Temperature Compensation Reference: 20 °C
Zero: adjustable ±15%
Sensitivity: adjustable from 86% to 112% narrow range adjustable 0/160% wide range
Operating Temperature: 0/50 °C
Operating Humidity: 0/95% R.H. non-condensing
Power supply: 10/30Vdc
Isolation: 500V input to output
Terminal block: detachable
Net Weight: 200 g
Dimensions: 105 x 95 x 58 mm (6 modules)
Mounting: DIN Rail (35 x 7.5 mm Rail)

The technical specifications could be changed without notice.



3000 Series DIN RAIL

High accuracy
High reliability
Modular design
Low installation costs
Compact size

General informations

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: IP 65 (NEMA 4X)

Dimensions: 205 x 220 x 140 mm



BC 9412

Water-tight enclosure for 2 units

Protection: IP 65 (NEMA 4X)

Dimensions: 275 x 220 x 140 mm

BC 9491

Wall mounting brackets for BC 9408 and BC 9412

BC 95106

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