

Chlorine – D.Ozone 4/20 mA Transmitter

- Two wire 4/20 mA operation
- Isolated current loop output
- Potentiostatic, polarographic and galvanic sensors input
- LCD display
- Temperature and TC display
- Automatic or manual temperature compensation
- 10/30 Vdc power supply
- Direct connection to PC's
- Din Rail mounting
- Detachable terminal blocks

General informations

The transmitters incorporate a large LCD display which is easily readable even from considerable distances.

Transmitters are 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 signal.

The 4/20 mA output is isolated from the input.

The isolation allows the connection to PLC, DCS or Personal Computers accepting 4/20 mA signals.

The transmitter will display temperature and the temperature coefficient values of manual/automatic temperature compensation.

The automatic temperature compensation is achieved with the use of a Pt100.

Detachable terminal block and Din Rail mounting enclosure provide for easy field installation.

Sensors

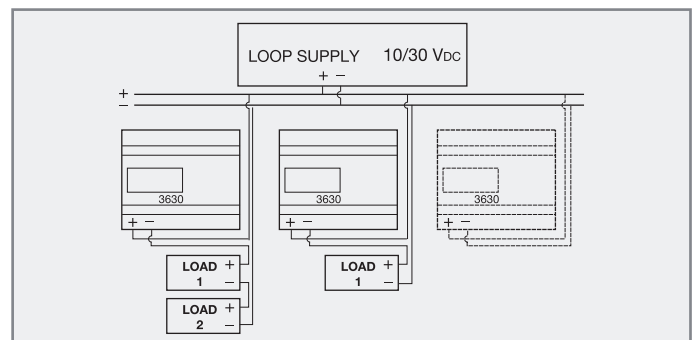
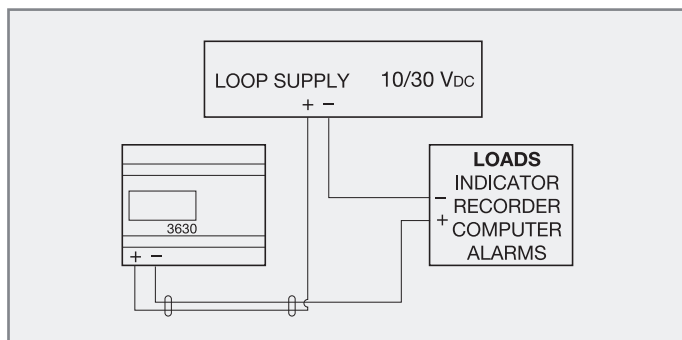
- SZ 283** Potentiostatic sensor
- CL 7901** Polarographic membraned free chlorine sensor
- OZ 7901** Polarographic membraned dissolved ozone sensor



Technical Specifications

Display: LCD
Inputs: potentiostatic sensor 3 wires polarographic sensor 2 wires galvanic sensor 2 wires Pt100
Polarization: -200 mV adjustable +/- 800 mV on request
Scales: 0/1.999 - 0/19.99 - 0/199.9 - 0/1999 selectable -10.0/120.0°C
Slope: 0.4 - 4 - 40 µA of the selected scale
Temperature compensation: manual and automatic
Temperature coefficient: 0/4.0 %/°C (2%/°C for Chlorine e 2.5%/°C for Ozone)
Reference temperature: 20°C
Zero: adjustable +/- 15 %
Sensitivity: adjustable 86/112 % (coarse 20/200 %)
Output: 4/20 mA isolated
Operating temperature: 0/50°C
Operating humidity: 95% without condensate
Power: 10/30 Vdc
Isolation: 500V from input to output
Weight: 200 g
Dimensions: 105 x 95 x 58 mm
Mounting: DIN rail (6 modules)

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).