

# Electrochemical Monitors

## CL 3630

### 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

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 30 Vdc. 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.

## Accessories

**Potentiostatic sensor:** SZ 283.

### Flow cells:

- SZ 7231 for  $Cl_2/O_3$  sensor  
 SZ 7233 for pH, ORP and  $Cl_2/O_3$  sensors  
 SZ 7251 auto clean cell for  $Cl_2/O_3$  sensor

### Polarographic sensors:

- CL 7901 Free Chlorine sensor, flow cell and spares  
 OZ 7901 Dissolved Ozone sensor, flow cell and spares

**Galvanic sensors:** Please ask our sales department



## 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  $\mu A$  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:** 500 V 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.*

