

## CL 7685

Potentiostatic controller for  
Free Chlorine, Chlorine dioxide, D. Ozone



Add the following to the common Features/Specifications of the 7685 Series shown overleaf

- **Applications:**
  - drinking water
  - bottling industry
- **Input from:**
  - potentiostatic sensor
  - Pt100 3 wires
- **Ranges: 0/2 PPM and 0/20 PPM autoranging**
- **Dual filter software**
- **Calibration mode: immediate or postponed**
- **Calibration parameters display**
- **Dual set-point and alarm conditions display**
- **Automatic or manual temperature compensation**
- **Isolated output:**
  - 0/20 mA or 4/20 mA selectable
  - programmable input on the span
- **Automatic, manual or simulated operation**
- **Dual set-point**
- **Selectable actions**
  - ON/OFF
  - PFM Pulse frequency modulation
  - PWM Pulse width modulation
  - hysteresis, delay, and min/max programmable functions
- **Alarm:**
  - continuous/flashing
  - min/max and delay programmable
  - on set-points timing
- **Autoclean relay**
  - auto + manual/manual action
  - holding function for input and outputs
- **EEPROM parameters storage**
- **Automatic overload protection and reset**
- **Extractable terminal block**
- **96x96 (1/4 DIN) housing**

## Specifications

### Input Current

2  $\mu$ A/PPM at 20 °C

### \* Scales

0/2.000 PPM - 0/20.00 PPM

(Cl<sub>2</sub>, ClO<sub>2</sub>, D.O<sub>3</sub>)

Zero adjustment:  $\pm$  0.3  $\mu$ A

Cell sensitivity: 12.5/250 %

\* Polarization: -200 mV (0/-1250 mV)

\* Temperature coefficient: 0/4.0 %/°C

\* Filter software 90%RT: 0.4/20.0 s for small/large variations

### Temperature

Input: Pt100 3 wires

Measuring and compensation range: -2/52 °C

Resolution: 0.1 °C

Zero adjustment:  $\pm$  1 °C

### Set-point A and B

\* Selectable action: ON/OFF - PFM - PWM

### PFM/PWM action

Proportional band: 0/10 % of the scale

Pulse frequency: 0/120 pulse/min

Pulse width: 0/99.9 s

### Option 091.3711

Dual analog output

The user may select the temperature output

### Option 091.4143

9/36 VDC power supply

*The technical specifications may be changed without notice*

## Accessories

### SZ 283

Potentiostatic electrode

### SZ 7231

Flow cell for SZ283

### SZ 7233

Flow cell for 3 sensors: SZ283, pH, ORP

### SZ 7251

Autoclean flow cell