

# Electrochemical Monitors

## OD 7685

Dissolved Oxygen controller



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

- **Applications:**
  - water treatment
  - drinking water
  - fish pond
  - food industry
  - biotechnology
- **Selectable input from:**
  - polarographic high/low current cells
  - galvanic cells
  - 080610.2 preamplifier
- **Scales: PPM - mg/l - % air sat. - mmHg**
- **Autoranging**
- **Temperature readout**
- **Dual filter software**
- **Calibration parameters display**
- **Dual set-point and alarm conditions display**
- **Autocalibration in air**
- **Automatic or manual temperature compensation**
- **Pressure, R.H., salinity compensation**
- **Isolated output:**
  - 0/20 mA or 4/20 mA selectable
  - programmable input on the span
- **Automatic or manual operation**
- **Dual set-point with hysteresis, delay, and min/max programmable functions**
- **Alarm:**
  - continuous/flashing
  - min/max and delay programmable
  - on set-points timing
- **Autoclean relay and holding function for input and outputs**

## Specifications

### Polarographic Cell

Low Current cell: 25/75 nA

High Current cell: 140/510 nA

\* Polarization: 0/1250 mV

### Galvanic Cell

Input: 17/51 mV

### Selectable scales

0/200.0 mmHg D.O. partial pressure

0/200.0 % air saturation

0/20.00 PPM

0/20.00 mg/l

\* Software filter 90%RT: 0.4/20.0 s for small/large variations

Zero adjustment: +/- 10%

Sensitivity adjustment: 80/170 %

Display resolution at 20°C: 1/1000

### Secondary parameters

Pressure: 500/800 mmHg

Salinity: 0/60,000 PPM

Relative Humidity: 0/100 %

### Temperature

Input: RTD Pt100 2/3 wires connection

Measuring and compensation range: -2/+52 °C

Resolution: ±0.1 °C

Zero adjustment: ±2 °C

Manual temp. comp.: 0/50 °C

### Options

**091.3713** dual analog programmable and isolated output.

The operator may select an output for temperature.

**091.701** RS232 isolated output.

**091.404** 24 Vac power supply

**091.4143** 9/36 VDC power supply

*The technical specifications may be changed without notice*

- **EEPROM parameters storage**
- **Automatic overload protection and reset**
- **Extractable terminal block**
- **96x96 (1/4 DIN) housing**

## Accessories

This instrument may use all the D.Oxygen probes and sensors of the present catalog