

Dissolved Oxygen Controller



Application

- water treatment
- food industry
- drinking water
- fish pond
- biotechnology

Selectable Input from

- polarographic high/low current cells
- galvanic cells
- preamplifier

* Scales PPM-mg/l - % air sat - mmHg

* Autoranging

* Temperature readout

* Dual filter software

* Calibration parameters display

* Dual Set-point and Alarm conditions display

* Auto calibration in Air

* Automatic or manual temperature Compensation

* Operating mode : Automatic & manual

* Pressure, R.H, Salinity compensation

Isolated output

* 0/20mA or 4/20mA programmable

* Programmable input on span

* Dual setpoints with with hysteresis, delay and min/max programmable functions

* Alarm

- Continuous / Flashing alarm
- Min / max and Delay programmable
- on set-points timing

* Autoclean relay and holding function for input & outputs

SPECIFICATIONS

Polarographic cells

Low current cells : 25/75nA

High current cell : 140/510nA

*Polarization : 0/1250mV

Galvanic cell

Input : 17/51mV

Selectable scales

0/200.0 mmHg D.O. partial pressure

0/200.0 % air saturation

0/20.0 PPM

0/20.00 mg/l

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

Zero adjustment : $\pm 10\%$

Sensitivity adjustment : 80/170 %

Display resolution at 20°C : 1/1000

Secondary Parameters

Pressure : 500/800mmHg

Salinity : 0/60,000 PPM

Relative Humidity : 0/100 %

Temperature

Input : RTD Pt100 2/3 wires connection

Measuring and compensation range -2/+52°C

Zero adjustment : $\pm 2^\circ\text{C}$

Resolution : $\pm 0.1^\circ\text{C}$

Manual temp.comp : 0/50°C

Options

Dual analog programmable and isolated output.

The operator may select an output for temperature

A1: RS232 isolated output

B1 : 24VAC power Supply

B2 : 9/36 VDC power Supply

* EEPROM parameters storage

* Automatic overload protection and reset

* Extractable terminal block

* 96x96 (1/4 DIN) housing