

ONLINE DISSOLVED OXYGEN CONTROLLER

LODC-A10



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Online Dissolved Oxygen Controller LODC-A10 features 1 to 2 points dissolved oxygen calibration system, and 4 to 20 mA output signal transmitter. The large and clear back light LCD displays Calibration and setup values, temperature values, ATC (automatic temperature compensation) values, high and low limit of measurement. It measures the amount of dissolved oxygen in mg/l, ppm units or in % of saturation. The accuracy of measurement is improved by manual salinity and barometric pressure compensation mode.

Features

- Equipped with a polarographic electrode.
- Use of Zero oxygen solution, air saturated water for calibration
- 1 to 2 dissolved oxygen calibration points
- Controller with 4 multifunctional keys with names and symbols
- ATC mode for accurate readings over entire range
- Low and high alarm limits set automatically activate an external device
- System menu allows setting up to 10 parameters
- Reset features to resumes all setting back to default

Applications

Used in water treatment applications across waste water plants, filtration systems, RO treatment water plants, Agriculture, and Aquaculture industry.

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Specifications

Model no.	LODC-A10
Dissolved oxygen range	0.0 to 20.0 mg / L (or ppm)
Dissolved oxygen Calibration points	1 - 2 points
Dissolved oxygen accuracy	± 0.5 mg / L
Dissolved oxygen resolution	0.1 mg / L
% of saturation of oxygen range	0.0 to 200.0 %
% of saturation of oxygen accuracy	± 10 % F.S.
% of saturation of oxygen resolution	0.001
Calibration solutions	Saturated anhydrous sodium sulfite solution and air saturated water
Temperature compensation range	0 to 40 °C, 32 °F to 104 °F
Barometric pressure correction	60.0 to 112.5 kPa, 450 to 850 mmHg
Salinity correction	0 - 35 g / L
Signal output	4 to 20 mA
Load	Maximum 500 Ω
Low and high alarm limits	1.00 to 18.00 mg/L (selectable)
Connection Interface	RS485
Connection terminal	Detectable screw terminals
Display	LCD screen
Ambient Temperature	<60 °C
Relative Humidity	<80%
Power supply	DC 24 V
Dimension (L x W x H)	96 × 96 × 75 mm
Weight	350 g

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Standard Accessories

Accessories no.	Name	Qty.
1	DO Electrolyte solution ml	1 bottle
2	Industrial dissolved oxygen probe	1
3	DO Membrane cap	1