

labodam

# BENCHTOP DISSOLVED OXYGEN METER LBDO-A1 SERIES



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## Benchtop Dissolved oxygen meter LBDO-A10

Benchtop Dissolved oxygen meter LBDO-A10 is equipped with polarographic sensor to measure the dissolved oxygen content. The manual salinity & barometric pressure compensation helps in accurate measurement of dissolved oxygen. The system menu of dissolved oxygen meter can set 6 parameters which includes the number of calibration points, temperature units etc.

### Features

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- » Equipped with polarographic sensor
- » Equipped with large backlit LCD display
- » 1-2 points calibration using air saturated water & zero oxygen solution
- » Manual salinity & barometric pressure compensation for better measurement of dissolved oxygen
- » System menu allows setting the 6 optional parameters
- » Automatic temperature compensation for accurate measured value over the entire range
- » Auto hold function freezes stable, final readings for better viewing and recording
- » Reset function automatically resumes all the settings to default mode
- » Help message as an operational guide for quick beginning to the dissolved oxygen meter

### Applications

Benchtop dissolved oxygen meter has applications in water & waste water management industry, environmental monitoring, surface ground water, research & development, education to detect content of dissolved oxygen.

## Specifications

Model no.	LBDO-A10
Dissolved oxygen range	0.0 to 20.0 mg/L (or ppm)
Dissolved oxygen accuracy	±0.5 mg/L
Resolution	0.1 mg/L
Calibration points	1-2 points
Sensor type	Polarographic DO probe
Temperature compensation range	0 to 40°C, 32 to 104°F
Barometric pressure correction	60.0 to 112.5kPa, 450-850 mmHg
Salinity correction	0-35 g/L
% of saturation of oxygen range	0.0 to 200.0%
% of saturation of oxygen accuracy	±10% F.S.
% of saturation of oxygen resolution	0.1%
System menu	Allows setting of 6 parameters
Data hold function	Manual or automatic endpoint detection
Power off	Manual or automatic (180 minutes)
Reset function	Yes
Display	Backlit LCD (135×75 mm)
Connector	6 pin mini plug
Power	DC9V, use of SC adapter, AC220V/50Hz
Dimension (L*W*H)	210×205×75 mm
Weight	1.5 kg

### Standard accessories:

- Dissolved oxygen probe
- Dissolved oxygen Electrolyte solution
- Membrane cap
- DC9V power adapter

### Optional accessories:

- Polarographic sensor
- 30mL electrolyte solution per bottle
- Membrane cap

## Benchtop Dissolved oxygen meter LBDO-A11

Benchtop Dissolved oxygen meter LBDO-A11 is equipped with polarographic sensor to measure the dissolved oxygen content. The manual salinity & barometric pressure compensation helps in accurate measurement of dissolved oxygen. The system menu of dissolved oxygen meter can set 9 parameters such as stability conditions, calibration points etc. This meter stores and recalls up to 500 sets of data & data is transferrable to PC via USB interface.

### Features

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- » Equipped with polarographic sensor
- » Equipped with large backlit LCD display
- » 1-2 points calibration using air saturated water & zero oxygen solution
- » Manual salinity & barometric pressure compensation for better measurement of dissolved oxygen
- » System menu allows setting the 9 optional parameters
- » Automatic temperature compensation for accurate measured value over the entire range
- » Auto hold function freezes stable, final readings for better viewing and recording
- » Built-in real time clock stamps store data to meet GLP standard
- » Expanded memory stores and recalls up to 500 readings
- » Reset function automatically resumes all the settings to default mode
- » Help message as an operational guide for quick beginning to the dissolved oxygen meter

### Applications

Benchtop dissolved oxygen meter has applications in water & waste water management industry, environmental monitoring, surface ground water, research & development, education to detect content of dissolved oxygen.

## Specifications

Model no.	LBDO-A11
Dissolved oxygen range	0.0-20.0 mg/L (or ppm)
Dissolved oxygen accuracy	±0.2 mg/L
Resolution	0.01 mg/L
Calibration points	1-2 points
Sensor type	Polarographic DO probe
Temperature compensation range	0 to 50°C, 32 to 122°F
Barometric pressure correction	60.0 to 112.5kPa, 450 to 850 mmHg
Salinity correction	0-50 g/L
% of saturation of oxygen range	0.0-200.0%
% of saturation of oxygen accuracy	±2.0% F.S.
% of saturation of oxygen resolution	0.1, 1%
System menu	Allows setting of 9 parameters
Data hold function	Manual or automatic endpoint detection
Power off	Manual or automatic (10, 20, 30 minutes)
Reset function	Yes
Memory	Stores up to 50 data sets
Output	USB communication interface
Display	Backlit LCD (130×110 mm)
Connector	6 pin mini plug
Calibration due	0 to 31 days
Stability conditions	Low or high
Power	DC5V, use of AC adapter, AC220V/50Hz
Dimension (L*W*H)	210×188×60 mm
Weight	1.5 kg

### Standard accessories:

- Dissolved oxygen probe
- Dissolved oxygen Electrolyte solution
- Membrane cap
- DC9V power adapter

### Optional accessories:

- Polarographic sensor
- 30mL electrolyte solution per bottle
- Membrane cap