



DISSOLVED OXYGEN INSTRUMENTATION

Benchtop Dissolved Oxygen Kit

- ✓ Scale Change in Auto-Range
- ✓ Auto Calibration of All Parameters
- ✓ Automatic Temperature Compensation
- ✓ Salinity and Barometric Pressure Compensation
- ✓ Data Logging up to 99 Points
- ✓ BOD Capability
- ✓ Zero and Span Auto Calibration
- ✓ RS232 Output

DOB21



The DOB21 is a compact benchtop dissolved oxygen meter and an amperometric dissolved oxygen probe with automatic temperature compensation for field or laboratory applications. The unit measures dissolved oxygen in ppm or percent saturation and temperature in degrees Celsius. Programming is conveniently done via a three button keypad and stored in the non-volatile memory. The unit also includes an audible minimum and maximum alarm. The DOB21 kit is supplied with the dissolved oxygen probe, a cell maintenance kit, BOD kit and operator's manual all in a hard carrying case.

Specifications

Dissolved Oxygen

Measurement Range: 0 to 60 mgO₂/L

Resolution Selection: 1/0.1/0.01

Relative Accuracy: 0.02% of full scale

Oxygen Gas

Measurement Range: 0 to 30% O₂

Resolution Selection: 1/0.1

Relative Accuracy: 0.33% of full scale

Saturation

Measurement Range: 0 to 600%

Resolution Selection: 1/0.1

Relative Accuracy: 0.1% of full scale

General

Automatic Temperature Compensation: 0 to 60°C (32 to 140°F)

Barometric Pressure Compensation Altitude:

Up to 10,000 m (32,808')

Salinity Compensation: 0 to 40,000 ppm

Display: 16 characters x 2 lines

Power Supply: 9 Vdc battery (included)

Operation Time: Up to 60 hours

Dimensions: 170 H x 130 W x 135 mm D (6.7 x 5.1 x 5.3")



DOB21 shown smaller than actual size.

Hard carrying case, oxygen probe, cell maintenance kit, and BOD kit included.

To Order

Model No.	Description
DOB21	Benchtop dissolved oxygen kit

Accessory

Model No.	Description
DOE-21L	Replacement D.O. cell
DOM21L	Replacement cell maintenance kit for DOE-21L
DOM-ADP	Replacement BOD kit
DOE-21S	Optional immersion polarographic cell with 20 m (66') cable
DOM-441	Replacement cell maintenance kit for DOE-21S
DOA-21RS	Sensor refill solution 50 mL (0.05 qt)
CDH-30PW	Optional AC power adaptor
MN1604	Replacement 9V battery
PHA-EH	Benchtop sensor holder

Comes complete with 1 dissolved oxygen probe, 1 cell maintenance kit, BOD kit, hard carrying case, 9V battery, and operator's manual.

Ordering Example: DOB21, dissolved oxygen kit, CDH-30PW, AC power adaptor.