miniDOT® Logger

SUBMERSIBLE WATER LOGGER FOR **MEASURING DISSOLVED OXYGEN.**

The miniDOT® Logger is a completely submersible instrument that logs dissolved oxygen and temperature measurements. The oxygen sensor is an optode that measures dissolved oxygen concentration in water through a fluorescence method. Data are recorded to an internal SD card. Operation of the miniDOT logger such as setting the time and sample interval can be accomplished via the USB cable.

FACTS AT A GLANCE

- Portable, completely submersible, easy to operate.
- No sensor cap to maintain.
- Recalibration recommended every 12 months to ensure data accuracy.
- User replaceable batteries.
- Visualization software included.
- Records time, date and battery voltage.
- Anti-fouling available.

SPECIFICATIONS:

MINIDOT LOGGER, PART NUMBER 7450

Sensor Type	Optical
Calibrated Range	0 to 150% saturation
Oxygen Accuracy	+/- 5% of the measurement or +/- 0.3 mg/l, whichever is larger Oxygen Resolution
Oxygen Resolution	0.01 mg/L Temperature Accuracy
Temperature Accuracy	+/- 0.1 degrees C
Temperature Range	0 to 35 degrees C
Temperature Resolution	10 millidegree
Response Time	Approximately 30 seconds for oxygen
Sampling Power Capacity	500,000 samples before batteries are replaced
Memory	Unlimited
Logging Interval	5 seconds to 24 hours
Battery	Two AA lithium batteries
Software	Included. Data visualization and control
Logger Weight in Air	0.75 lbs
Dimensions	1.95 inches diameter x 7.375 inches length
Maximum Depth	300 meters (984 feet)