



Dive into discovery with PME water quality sensors.

miniDOT

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.



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Facts at a Glance

- Portable, completely submersible, easy to operate.
- User replaceable batteries and long lasting in the field.
- Visualization software included.
- Records time, date and battery voltage.
- Anti-fouling available.

Specifications, miniDOT Logger, Part Number 7392

Sensor Type	Optical
Calibrated Range	0 to 150% saturation with an accuracy of +/- 10 umole/L
Oxygen Accuracy	+/- 5%
Oxygen Resolution	0.01 mg/L
Temperature Accuracy	+/- 0.1 degrees C
Temperature Range	0 to 35 degrees C
Temperature Resolution	10 millidigrees
Response Time	Approximately 30 seconds for oxygen
Sampling Power Capacity	500,000 samples before batteries are replaced
Memory	Unlimited
Logging Rate	5 seconds to 24 hours
Battery	Two AA lithium batteries
Software	Provided. Data visualization and control
Logger Weight in Air	0.75 lbs
Dimensions	1.95 inches diameter x 7.375 inches length
Maximum Depth	100 meters (328 feet)

Contact Us

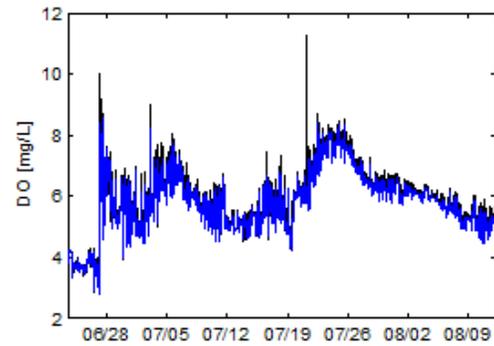
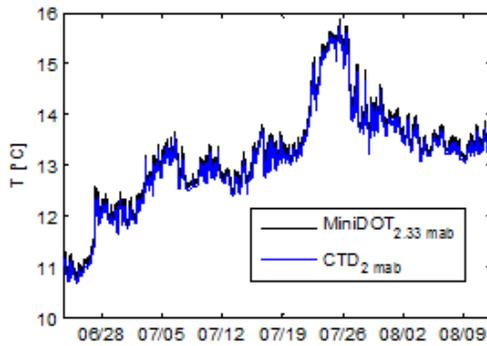
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The following two plots depict dissolved oxygen comparisons between the miniDOT logger and a Sea-Bird SBE 37-SMP-ODO Recorder.



Anti-Fouling Options Available



Copper mesh or Copper plates can be purchased to be installed on the end of the logger to prevent fouling from occurring.



The miniWIPER attaches to the miniDOT and allows the user to wipe their sensor every hour or more. This is the optimal way to prevent fouling from occurring on the sensor spot.

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