



HI 9142

Waterproof, Simple-to-use Dissolved Oxygen Meter

- Waterproof
- Automatic Temperature Compensation
- 1-point calibration
- Low battery indicator
- Supplied with probe and rugged carrying case



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The ever-increasing demand for instant results for on-site analysis has created a need for waterproof, portable meters. The cold, rain, snow and dust associated with use in the field can damage an unprotected meter, rapidly deteriorating its performance and life. **HI 9142** is a rugged, waterproof meter that solves the common environmental problems of field use. It is very simple to use: calibration is performed with **HI 7040L** zero oxygen solution while 100% calibration is done in air. There is no need to use chemical solutions or go through time consuming calibration procedures. The polarographic probe (**HI 76407/4**) will take measurements accurate to 0.3 ppm in minutes and is supplied with a 13' (4 m) cable that allows measurements to be taken in hard to reach places. For applications that require longer probe cables, the **HI 76407/10** and **HI 76407/20** probes with a 33' (10 m) or 67' (20 m) cable are available. The conic shape of the probe allows it to be used in BOD5 measurements making it a truly versatile instrument. The **HI 9142** comes with a rugged carrying case.



Specifications	HI 9142
Range	0.0 to 19.9 mg/L
Resolution	0.1 mg/L
Accuracy (@20°C/68°F)	±1.5% F.S.
Typical EMC Deviation	±0.8 mg/L with HI 76407/4 probe
Calibration	Manual 1 or 2 points (zero & slope)
Temp. Compensation	Automatic from 32 to 86°F (0 to 30°C)
Probe	HI 76407/4 polarographic D.O. probe with 13' (4 m) cable (included)
Environment	32 to 122°F (0 to 50°C); RH 100%
Battery Type/Life	4 x 1.5V AA/ approximately 500 hours of continuous use
Dimensions	7.7 x 3.1 x 2.4" (196 x 80 x 60 mm)
Weight	15 oz. (425 g); Kit: 3.1 lbs. (1.4 Kg)

Ordering Information

HI 9142 is supplied with HI 76407/4 D.O. probe with 4 m (13') cable, 2 spare membranes, HI 7041S electrolyte solution, 4 x 1.5V AA batteries & instruction manual in a rugged case.

Recommended Accessories

HI 7040L	Zero oxygen solution, 16.9 oz. (460 mL)
HI 7041S	Refilling electrolyte solution, 1 oz. (30 mL)
HI 76407/4	D.O. probe with 13' (4 m) cable
HI 76407/10	D.O. probe with 33' (10 m) cable
HI 76407/20	D.O. probe with 67' (20 m) cable
HI 7041L	Refilling electrolyte solution, 16.9 oz. (500 mL)
HI 76407A/P	Pack of 5 replacement membranes
HI 721317	Rugged carrying case

Hanna solutions are available in different sizes to fit any application.

Dissolved Oxygen Probe

The **HI 76407** dissolved oxygen probe is extremely rugged making the meter and probe perfect for laboratory as well as field applications. Calibration is fast and simple and all D.O. measurements are temperature compensated. The pre-tensioned and ready-made PTFE membrane can be changed in a few seconds without the need to stretch and cut the replacement. The **HI 76407** is offered in several cable lengths to meet your specific needs.



Oxygen Electrolyte Solution

It is crucial to the performance of the D.O. probe to keep the sensor active with regular maintenance. For this purpose, Hanna has developed **HI 7041S** electrolyte solution to refill the membrane cap.



Authorized Distributor: