

Waterproof Simple-to-Use Dissolved Oxygen Meter



The ever increasing demand for instant results from on-site analysis has created a constant need for portable, waterproof meters.

Measurements in the field can subject instrumentation to the inclemency of weather. Cold, rain, snow and dust associated with use in the field, can damage a meter, rapidly deteriorating its performance and life. HI 9142 is a rugged, waterproof meter that solves these common problems of field use.

It is very simple to use: calibration is performed with HI 7040 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 4 m (13') cable that allows measurements to be taken even in even hard to reach places.

For applications that require longer probe cables, the HI 76407/10 and HI 76407/20 probes with a 10 m (33') or 20 m (67') cable are available.

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.
Calibration	manual, at 1 or 2 points (zero & slope)
Temperature Compensation	automatic, 0 to 30°C
Probe	HI 76407/4, polarographic, 4 m (13') (included)
Battery Type / Life	4 x 1.5V AA / approximately 500 hours of continuous use
Environment	0 to 50°C (32 to 122°F); RH max 100%
Dimensions	196 x 80 x 60 mm (7.7 x 3.1 x 2.4)
Weight	500 g (1.1 lb.)

Accessories

HI 76407/4	D.O. Probe with 4 m (13') cable	HI 7040L	Zero oxygen solution (500 mL)
HI 76407/10	D.O. Probe with 10 m (33') cable	HI 7041S	Refilling electrolyte solution (30 mL)
HI 76407/20	D.O. Probe with 20 m (67') cable	HI 76407A/P	Replacement membrane (5 pcs)
HI 7040M	Zero oxygen solution (230 mL)	HI 721317	Rugged carrying case

Ordering Informations

HI 9142 is supplied complete with HI 76407/4 D.O. probe with 4 m (13') cable, 2 spare membranes, HI 7041S electrolyte solution (30 mL), calibration screwdriver, batteries, rugged carrying case and instructions.

For other accessories, see sections U. For a list of D.O. probes, see page M12.