

## 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	<b>HI 76407/4</b> , 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

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

### Ordering Information

**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.