
HI 9142 Waterproof, Dissolved Oxygen Meter



- **Water Resistant Casing** The rugged construction is water resistant, making it indispensable in the biological water treatment industry.
- **One Point Calibration** With the probe in saturated air, the meter can be calibrated without the need for chemical solutions.
- **ATC Circuitry** The meter's built-in Automatic Temperature Compensation circuitry will adjust all readings to provide the utmost accuracy.
- **Low Battery Indicator** The low battery indicator gives the user advanced notice to avoid taking an erroneous reading due to low power.

The ever increasing demand for instant results for on-site analyses has created a constant need for waterproof portable meters. The cold, rain, snow and dust associated with use in the field, may damage a meter, rapidly deteriorating its performance and life. **HI 9142** is a rugged, water resistant meter that solves the 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 processes. The polarographic probe (HI 76407/4) will take measurements accurate to 0.2 ppm O₂/liter in less than 1 minute and is equipped with a 13' (4m) cable that allows measurements to be taken in even hard to reach places. For applications that require a longer probe cable, the HI 76407/10 probe with a 32.8 foot (10 meter) cable is available. The conic shape of the probe allows it to be used in all BOD₅ measurements making it a truly versatile instrument. **HI 9142** is supplied complete with an HI 76407/4 D.O. probe, 2 spare membranes, HI 7041S electrolyte solution, 4 x 1.5V AA batteries and instruction manual in a rugged carrying case.

Specifications:

Range:	0.0 to 19.9 mg/L
Resolution:	0.1 mg/L
Accuracy:	1.5% Full Scale
Calibration:	Manual 1 or 2 points through trimmer
Temp. Compensation:	Automatic from 32 to 86°F (0 to 30°C)
Probe:	HI 76407/4 polarographic D.O. probe
Battery:	4 x 1.5 volt AA
Battery Life:	approx. 500 hours of continuous use
Environment Temp.:	32 to 122°F (0 to 50°C)
Weight:	3.1 lb (1.4 Kg) KIT: 3.1 lbs (1.4 Kg)

Dimensions:

7.7 x 3.1 x 2.4" (196 X 80 X 60mm)
