



Portable D.O. Meter for Field Applications

- Measurements Displayed in PPM or % Saturation
- High Resolution
- Water Resistant

HI 9146 is a water-resistant, microprocessor-based, Dissolved Oxygen meter with automatic calibration and temperature compensation (ATC). D.O. measurements can be displayed in parts per million (ppm=mg/L) or in % of saturation. The temperature range is indicated in Celsius from 0 to 50°C with 0.1 resolution. This meter also allows manual compensation of altitude and salinity values. The polarographic probe, supplied with the instrument, is provided with a protective cover for the membrane. A HOLD button allows the user to freeze the reading on the LCD. HI 9146 can be powered with batteries 2 (with low battery indicator) or through a 12 Vdc adapter.

HI 9146-04 is supplied complete with HI 76407/4F probe with 4 m (13') cable and protective cap, 2 spare membranes, HI 7041S electrolyte solution (30 mL), batteries, hard carrying case and instructions. HI 9146-10 is supplied complete with HI 76407/10F probe with 10 m (33') cable and protective cap, 2 spare membranes, HI 7041S electrolyte solution (30 mL), batteries, hard carrying case and instructions.

Available Accessories:

- HI 7041S Electrolyte solution for DO probe, 30 mL
- HI 76407/4F DO probe with 4 m (13') cable, cap
- HI 76407/10F DO probe with 10 m (33') cable, cap
- HI 76407A/P Spare membrane (5 pcs.)
- HI 710005 115 Vac/12 Vdc power adapter
- HI 710006 230 Vac/12 Vdc power adapter
- HI 721317 Hard carrying case

Specifications:

Range O2	0.00 to 45.00 mg/L
Range % Saturation O2	0.0 to 300.0%
Range Temperature	0.0 to 50.0°C
Resolution O2	0.01 mg/L
Resolution % Saturation O2	0.1%
Resolution Temperature	0.1°C
Accuracy (@20°C/68°F)	2 ±1.5% F.S.
O2 Accuracy (@20°C/68°F)	±1.5% F.S.
% Saturation O2 Accuracy (@20°C/68°F)	±0.5°C
Temperature Calibration	automatic, in air, at 100%
Temp. Compensation	automatic, 0 to 50°C (32 to 122°F)
Altitude Compensation	0 to 4 km (resolution 0.1 km)
Salinity Compensation	0 to 80 g/L (resolution 1 g/L)
Probe HI 9146-04	HI 76407/4F with 4 m cable
Probe HI 9146-10	HI 76407/10F with 10 m cable
Power Supply	4 x 1.5V AA batteries / approx. 200 hours of continuous use; auto-off after 4 hours of inactivity; or input for 12 Vdc power adapter
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.)

Salinity	0 to 80 g/L (resolution 1 g/L)
Compensation	
Probe HI 9146-04	HI 76407/4F with 4 m cable
Probe HI 9146-10	HI 76407/10F with 10 m cable
Power Supply	4 x 1.5V AA batteries / approx. 200 hours of continuous use; auto-off after 4 hours of inactivity; or input for 12 Vdc power adapter
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.)