

## Portable DO Meter for Field Application

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 (with low battery indicator) or through a 12 Vdc adapter.



### Specifications

	HI 9146-04	HI 9146-10
Range	O <sub>2</sub>	0.00 to 45.00 mg/L
	% Saturation O <sub>2</sub>	0.0 to 300.0%
	Temperature	0.0 to 50.0°C
Resolution	O <sub>2</sub>	0.01 mg/L
	% Saturation O <sub>2</sub>	0.1%
	Temperature	0.1°C
Accuracy (@ 20°C)	O <sub>2</sub>	±1.5% F.S.
	% Saturation O <sub>2</sub>	±1.5% F.S.
	Temperature	±0.5°C
Calibration	automatic, in air, at 100%	
Temperature 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 (included)	HI 76407/4F with 4 m cable	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.)	

### Ordering Information

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.

### Accessories

HI 7041S Electrolyte solution for DO probe, 30 mL  
 HI 76407/4F DO probe with 4 m (13') cable and membrane protective cap  
 HI 76407/10F DO probe with 10 m (33') cable and membrane protective cap  
 HI 76407A/P Spare membrane (5 pcs.)

HI 710005 115 Vac/12 Vdc power adapter, US plug  
 HI 710006 230 Vac/12 Vdc power adapter, European plug  
 HI 721317 Hard carrying case



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For other accessories, see section U.