

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 ₂ % Saturation O ₂ Temperature	0.00 to 45.00 mg/L 0.0 to 300.0% 0.0 to 50.0°C
Resolution	O ₂ % Saturation O ₂ Temperature	0.01 mg/L 0.1% 0.1°C
Accuracy (@ 20°C)	O ₂ % Saturation O ₂ Temperature	±1.5% F.S. ±1.5% F.S. ±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 710005	115 Vac/12 Vdc power adapter, US plug
HI 76407/4F	DO probe with 4 m (13') cable and membrane protective cap	HI 710006	230 Vac/12 Vdc power adapter, European plug
HI 76407/10F	DO probe with 10 m (33') cable and membrane protective cap	HI 721317	Hard carrying case
HI 76407A/P	Spare membrane (5 pcs.)		

For other accessories, see section U.