

HI 9146

Dissolved Oxygen Meter

- On-screen tutorial messages
- 2 point calibration
- Auto endpoint
- Extended range up to 300%
- Extended altitude compensation to 4000 m
- Extended salinity compensation to 80 g/L
- Automatic calibration in air
- Low battery indicator
- HOLD function

HI 9146 is a microprocessor-based, water-resistant, dissolved oxygen meter with automatic calibration and an extended range to measure up to 300% or 45 ppm. This instrument also allows altitude compensation up to 4000 m. Dissolved oxygen measurements are displayed in parts per million (ppm=mg/L) or in % saturation.

Temperature range is indicated in Celsius from 0 to 50°C with 0.1 resolution. The HI 9146 also allows manual compensation of salinity values up to 80 g/L.

A HOLD button allows the user to freeze the reading on the LCD for later retrieval.

The included polarographic probe, is provided with a removable protective membrane cover.

HI 9146 can be powered with batteries or 12 VDC adapter.

ORDERING INFORMATION

HI 9146N-04 is supplied complete with HI 76407/4 probe, HI 76407A membranes (2), HI 7041S electrolyte solution (30 mL), batteries, instructions and rugged carrying case.

ELECTRODES

HI 76407/4F Polarographic DO probe with protective sleeve, internal temperature sensor, DIN connector and 4 m (13') cable

HI 76407/10F Polarographic DO probe with protective sleeve, internal temperature sensor, DIN connector and 10 m (33') cable

SOLUTIONS

HI 7041S DO probe electrolyte solution, 30 mL

ACCESSORIES

HI 76407A/P Replacement membranes (5)



SPECIFICATIONS

HI 9146

O_2	0.00 to 45.00 mg/L (ppm)
Range	0.0 to 300.0%
Temperature	0.0 to 50.0°C
O_2	0.01 mg/L (ppm)
Resolution	0.1%
% Saturation O_2	0.1°C
Temperature	±1.5% F.S.
O_2	±1.5% F.S.
Accuracy (@ 20°C/68°F)	±0.2°C (excluding probe error)
Dissolved Oxygen Calibration	1 or 2 points at 0% (HI 7040 solution) and 100% (in air)
Temperature Compensation	automatic, 0 to 50°C (32 to 122°F)
Altitude Compensation	0 to 4000 m (resolution 100 m)
Salinity Compensation	0 to 80 g/L (ppt) (resolution 1 g/L)
Probe	HI 76407/2 polarographic DO probe with protective sleeve, internal temperature sensor, DIN connector and 2 m (6.6') cable (included)
Battery Type / Life	1.5V AAA (3) /approximately 200 hours of continuous use without backlight (50 hours with backlight on)
Environment	0 to 50°C (32 to 122°F); RH max 100%
Dimensions	185 x 72 x 36 mm (7.3 x 2.8 x 1.4")
Weight	300 g (10.6 oz.)