

# Dissolved Oxygen Meter

- On-screen tutorial messages
- Two point calibration
- Auto endpoint
- DO range up to 300%, temperature compensated
- Altitude compensation up to 4000 m
- Salinity compensation up to 80 g/L
- Automatic calibration in air
- GLP features
- Low battery indicator

HI 9146 is a water-resistant, dissolved oxygen meter that measures up to 300% saturation or 45 ppm (mg/L) with temperature compensation and automatic calibration. It has been developed for DO and temperature measurement in water, wastewater, and applications such as fish farming.

This instrument also allows altitude compensation up to 4000 m and the ppm and % saturation are both compensated for changes in solubility of oxygen in water and for permeability of the membrane as well as the temperature effect.

The included polarographic probe features built-in temperature compensation and removable protective membrane cover.

## ORDERING INFORMATION

**HI 9146-04** is supplied complete with HI 76407/4F probe with 4 m (13.1') cable, HI 76407A membranes (2), HI 7041S electrolyte solution (30 mL), batteries, instructions and rugged carrying case.

**HI 9146-10** is supplied complete with HI 76407/10F probe with 10 m (32.8') cable, HI 76407A membranes (2), HI 7041S electrolyte solution (30 mL), batteries, instructions and rugged carrying case.

## PROBES

<b>HI 76407/4F</b>	Polarographic DO probe with protective sleeve, internal temperature sensor, DIN connector and 4 m (13') cable
<b>HI 76407/10F</b>	Polarographic DO probe with protective sleeve, internal temperature sensor, DIN connector and 10 m (33') cable

## SOLUTIONS

<b>HI 7040M</b>	Zero oxygen solution, 230 mL
<b>HI 7040L</b>	Zero oxygen solution, 500 mL
<b>HI 7041S</b>	Electrolyte solution, 30 mL
<b>HI 7041M</b>	Refilling electrolyte solution (230 mL)
<b>HI 7041L</b>	Refilling electrolyte solution (500 mL)

## ACCESSORIES

<b>HI 76407A/P</b>	Replacement membranes (5)
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## SPECIFICATIONS

	HI 9146
<b>Range</b>	O <sub>2</sub> 0.00 to 45.00 mg/L (ppm)
	% Saturation O <sub>2</sub> 0.0 to 300.0%
	Temperature 0.0 to 50.0°C
<b>Resolution</b>	O <sub>2</sub> 0.01 mg/L (ppm)
	% Saturation O <sub>2</sub> 0.1%
	Temperature 0.1°C
<b>Accuracy (@ 20°C/68°F)</b>	O <sub>2</sub> ±1.5% F.S.
	% Saturation O <sub>2</sub> ±1.5% F.S.
	Temperature ±0.2°C (excluding probe error)
<b>Dissolved Oxygen Calibration</b>	one or two points at 0% (HI 7040 solution) and 100% (in air)
<b>Temperature Compensation</b>	automatic, 0 to 50°C (32 to 122°F)
<b>Altitude Compensation</b>	0 to 4000 m (resolution 100 m)
<b>Salinity Compensation</b>	0 to 80 g/L (ppt) (resolution 1 g/L)
<b>Probe</b>	HI 76407/4F polarographic DO probe, internal temperature sensor, DIN connector and 2 m (6.6') cable (included)
<b>Battery Type / Life</b>	1.5V AAA (3) / approximately 200 hours of continuous use without backlight (50 hours with backlight on)
<b>Environment</b>	0 to 50°C (32 to 122°F); RH max 95%
<b>Dimensions</b>	185 x 72 x 36 mm (7.3 x 2.8 x 1.4")
<b>Weight</b>	300 g (10.6 oz.)

# NT(주)뉴텍계기

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