

# Dissolved Oxygen Meter for Aquaculture



Galvanic Probe  
for Fish Farming

- Designed specifically for aquaculture
- Galvanic DO probe
- Backlit LCD
- Automatic Temperature Compensation
- Manual salinity and altitude compensation
- Water-resistant

HI 9147 is designed for aquaculture applications. This unit is unique among our family of DO meters as it is supplied with a galvanic probe.

Unlike polarographic probes, galvanic DO probes require no conditioning time. When you need to measure multiple samples in a given period of time, pick it up and measure on demand.

HI 9147 is a must have for DO sensitive organisms or high bio-load environments.

## DO Levels at 100% Saturation

Temperature	Salinity (ppt)				
	0	10	20	30	40
10°C / 50°F	13.0	12.2	11.4	10.6	9.8
15°C / 59°F	10.3	9.7	9.2	8.6	8.1
20°C / 68°F	9.4	8.8	8.4	7.9	7.4
25°C / 77°F	8.5	8.0	7.6	7.2	6.7
30°C / 86°F	7.8	7.4	7.0	6.6	6.2

## ORDERING INFORMATION

HI 9147-04 is supplied with HI 76409/4 probe with 4 m (13') cable and spare membranes (2), electrolyte solution (30 mL), batteries, screwdriver and instructions.

HI 9147-10 is supplied with HI 76409/10 probe with 10 m (32.8') cable and spare membranes (5), electrolyte solution (30 mL), batteries, screwdriver and instructions.

HI 9147-15 is supplied with HI 76409/15 probe with 15 m (49.2') cable and spare membranes (5), electrolyte solution (30 mL), batteries, screwdriver and instructions.

HI 9147-20 is supplied with HI 76409/20 probe with 20 m (65.6') cable and spare membranes (5), electrolyte solution (30 mL), batteries, screwdriver and instructions.

## SOLUTIONS

HI 70425	Electrolyte solution for galvanic probes, 30 mL
HI 7040M	Zero oxygen solution, 230 mL
HI 7040L	Zero oxygen solution, 500 mL

## ACCESSORIES

HI 76409-0	Protective sleeve for HI 76409 probes
HI 76409A/P	Membranes for HI 76409 probes (5)

SPECIFICATIONS		HI 9147
Range	O <sub>2</sub>	0.0 to 50.0 mg/L (ppm)
	% Saturation O <sub>2</sub>	0 to 600 %
	Temperature	-5.0 to 50.0°C (32.0 to 122.0°F)
Resolution	O <sub>2</sub>	0.1 mg/L (ppm) or 1%
	Temperature	0.1°C (1°F)
Accuracy (@ 20°C/68°F)	O <sub>2</sub>	±1% of reading
	Temperature	±0.2°C (1°F) (excluding probe error)
Calibration		manual, in saturated air
Temperature Compensation		automatic, -5 to 50°C (23°F to 122°F)
Altitude Compensation		0 to 4000 m (resolution 100 m)
Salinity Compensation		0 to 51 g/L (ppt) (1 g/L resolution)
Probe		HI 76409/4 galvanic DO probe (fixed) with internal temperature sensor, DIN connector and 4 m (13') cable (HI 9147-04), 10 m (33') cable (HI 9147-10), 15 m (49') cable (HI 9147-15) or 20 m (66') cable (HI 9147-20) (included)
Battery Type / Life		1.5V AAA (3) / approx. 1,000 hours of continuous use without backlight
Environment		0 to 50°C (32 to 122°F); RH max 95% non-condensing
Dimensions		185 x 72 x 36 mm (7.3 x 2.8 x 1.4")
Weight		450 g (15.9 oz.)

For a complete list of Solutions, Probes and Accessories, see the end of this section.