

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

	Salinity (ppt)				
Temperature	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 7042S	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
	O ₂	0.0 to 50.0 mg/L (ppm)
Range	% Saturation O ₂	0 to 600%
	Temperature	-5.0 to 50.0°C (32.0 to 122.0°F)
Resolution	O ₂	0.1 mg/L (ppm) or 1%
	Temperature	0.1°C (1°F)
Accuracy (@ 20°C/68°F)	O ₂	±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.