

HI9147

Dissolved Oxygen Meter for Aquaculture

- Automatic Temperature Compensation (ATC)
- Waterproof
- Backlit LCD

The HI9147 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, simply turn the meter on and start taking measurements.

The HI9147 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 |



Specifications

HI9147

| | | |
|---------------------------|--|--|
| Dissolved Oxygen | Range | 0.0 to 50.0 mg/L (ppm); 0 to 600% saturation |
| | Resolution | 0.1 mg/L (ppm); 1% saturation |
| | Accuracy (@25°C/77°F) | ±1% of reading |
| Temperature | Range | -5.0 to 50.0°C; 23.0 to 122.0°F |
| | Resolution | 0.1°C; 1°F |
| | Accuracy (@25°C/77°F) | ±0.2°C; ±1°F (excluding probe error) |
| Additional Specifications | Calibration | manual, in saturated air |
| | Temperature Compensation | automatic, 0° to 50°C (32°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 | HI76409/4 galvanic DO probe (fixed) with internal temperature sensor, DIN connector and 4 m (13') cable (HI9147-04), 10 m (33') cable (HI9147-10), or 15 m (49') cable (HI9147-15) |
| | Battery Type / Life | 1.5V AAA (3) / approx. 1000 hours of continuous use without backlight |
| | Environment | 0 to 50°C (32 to 122°F); RH max 95% non-condensing |
| | Dimensions / Weight | 185 x 72 x 36 mm (7.3 x 2.8 x 1.4") / 450 g (15.9 oz.) |
| Ordering Information | <p>HI9147-04 is supplied with HI76409/4 probe with 4 m (13') cable, spare membranes (5), electrolyte solution (30 mL), batteries, screwdriver and instructions.</p> <p>HI9147-10 is supplied with HI76409/10 probe with 10 m (32.8') cable, spare membranes (5), electrolyte solution (30 mL), batteries, screwdriver and instructions.</p> <p>HI9147-15 is supplied with HI76409/15 probe with 15 m (49.2') cable, spare membranes (5), electrolyte solution (30 mL), batteries, screwdriver and instructions.</p> | |