Medidor Portátil Galvánico de Oxígeno Disuelto – HI9147 con cable de 10m (32.8?)

Description

Dissolved oxygen is a commonly measured parameter in aquaculture, wastewater treatment, environmental studies, and wine analysis. The HI9147 is a rugged, water-resistant dissolved oxygen (DO) meter designed to provide precision and accuracy under harsh environmental conditions. The meter features a manual one point calibration, automatic temperature compensation, and salinity and altitude compensation. The HI9147 includes a galvanic probe with replaceable high-density polyethylene (HDPE) membrane caps and a protective shield.The salinity compensation allows for the determination of dissolved oxygen even in salty waters making this an ideal meter for aquaculture applications. The HI9147 is supplied complete and ready to use.

Features at a Glance

Replaceable Membrane Caps – The pretensioned high-density polyethylene (HDPE) membranes employ a screw cap design that can be changed quickly by simply filling with the HI7042 electrolyte fill solution and screwing onto the DO probe.

Galvanic Measuring System – The meter and probe use galvanic sensor technology where the electrodes' potential difference drives the reaction, requiring no external voltage. The probe is comprised of a silver cathode and zinc anode in an electrolyte solution held in place over the surface of the electrodes by a polymer membrane. Oxygen diffuses across the membrane and the system establishes a current proportional to the concentration of dissolved oxygen present.

Automatic Temperature Compensation – All readings are automatically compensated for temperature variations with a high accuracy, built-in linearized thermistor temperature sensor behind a stainless steel cover.

Altitude Compensation – The HI9147 allows for altitude compensation for up to 4000 meters with a 100-meter resolution.

Salinity Compensation – Salinity compensation is adjustable from 0 to 51 g/L (ppt) with a 1 g/L resolution for the measurement of DO in brackish and sea water.

Backlit LCD – The HI9147 has a display with a backlight for easy viewing of readings in poor lighting conditions.

Especificaciones

Intervalo	0.00 a 50.00 ppm (mg/L); 0.0 a 600.0% de saturación
Resolución de OD	0.1 mg/L (ppm); 1% de saturación
Exactitud de OD	± 1% de la lectura
Calibración OD	Manual, en aire saturado
Intervalo de temperatura	0.0 a 50.0°C / 32.0 a 122.0°F
Resolución de temperatura	0.1°C; 1°F
Exactitud de temperatura	0.2ºC; ± 1°F (excluyendo el error de la sonda)
Compensación por temperatura	Automática de 0 a 50°C (32 a 122°F)
Compensación por altitud	0 a 4000 m (resolución 100 m)
Compensación por salinidad	0 a 51g/L (ppt) (resolución de 1 g/L)
Electrodo / Sonda	Sonda galvánica de OD, sensor de temperatura interno, conector DIN
Tipo de batería / vida	1.5V AAA (3) / aproximadamente 1000 horas de uso continuo sin iluminación
Condiciones ambientales	0 a 50°C (32 a 122°F); HR max 95% no condensante
Dimensiones	185 x 72 x 36 mm (7.3 x 2.8 x 1.4 pulgadas)
Peso	450g (15.9 onzas)

Información paraordenar	El HI9147 se suministra con sonda HI76409, membranas pretensadas de DO de HDPE HI76409A/P (2), solución electrolítica HI7042S (30 mL), baterías, manual de instrucciones y estuche resistente