

# Manual Calibration Dissolved Oxygen Meter

Waterproof and Easy to Use

## Designed for Ease of Use in Tough Field Conditions

The ever increasing demand for instant on-site analysis results has created a need for innovative and rugged portable, waterproof meters.

Field work can subject instrumentation to the inclemency of weather. Cold, rain, snow, dust and humidity can cause condensation to breach the housing. Once the housing has been compromised, the meter is susceptible to diminishing performance and life. The rugged, waterproof housing of the HI 9142 solves many of the problems of field use.

It is very simple to use: calibration is performed with HI 7040 zero oxygen solution, while 100% calibration is done in air.

The polarographic probe (HI 76407/4) is accurate to 0.3 ppm and is supplied with a 4m (13') cable that allows measurements to be taken even in hard to reach places.

For applications that require longer probe cables, the HI 76407/10 with a 10m (33') cable and HI 76407/20 with a 20m (67') cable are available.

- Automatic temperature compensation
- Designed for harsh conditions
- Affordable and efficient
- DO probe and rugged carrying case included

### HI 7041S - Electrolyte Solution

It is crucial to the performance of your DO probe to keep the sensor active with regular maintenance.

For this purpose, HANNA has developed HI 7041S electrolyte solution to refill the membrane cap.

**HI 7041S** Refilling electrolyte solution (30 mL)



#### SPECIFICATIONS

	HI 9142
Range	0.0 to 19.9 mg/L
Resolution	0.1 mg/L
Accuracy (@20°C/68°F)	±1.5% F.S.
Calibration	manual, at 1 or 2 points (zero & slope)
Temp. Comp.	automatic, 0 to 30°C
Probe	HI 76407/4, polarographic, 4 m (13') (included)
Battery Type / Life	(4) 1.5V AA / approx. 500 hours of continuous use
Environment	0 to 50°C (32 to 122°F); RH max 100%
Dimensions	196 x 80 x 60 mm (7.7 x 3.1 x 2.4)
Weight	500 g (1.1 lbs.)

#### ORDERING INFORMATION

**HI 9142** is supplied complete with HI 76407/4 probe with 4 m (13') cable, 2 spare membranes, HI 7041S electrolyte solution (30 mL), calibration screwdriver, batteries, rugged carrying case and instructions.

#### ELECTRODES

- HI 76407/4** DO Probe with 4 m (13') cable
- HI 76407/10** DO Probe with 10 m (33') cable
- HI 76407/20** DO Probe with 20 m (67') cable

#### SOLUTIONS

- HI 7040M** Zero oxygen solution, 250 mL
- HI 7040L** Zero oxygen solution, 500 mL
- HI 7041S** Refilling electrolyte solution, 30 mL

#### ACCESSORIES

- HI 76407A/P** Replacement membranes (5)
- HI 721317** Rugged carrying case