

HI 2400

Dissolved Oxygen Meter

for Laboratories

For Professional DO Monitoring

For Dissolved Oxygen measurements, **HANNA** offers the HI 2400—an essential instrument for testing pharmaceutical and food products as well as for monitoring in water treatment plants.

The user can choose to display DO readings in mg/L O₂ or % of saturation.

This meter can be used in any laboratory and for any type of water, as it allows measurement compensation both for altitude and salinity factors.

HI 2400 features an automatic calibration procedures at 1 or 2 points (at 0 and 100% of O₂ saturation).

The automatic logging interval can be set to perform analysis and store data in non-volatile memory.

All logged data can be downloaded to your PC through an RS232 serial port. Memory can store up to 8000 samples.

This meter is supplied with a polarographic sensor which measures the current generated by the reaction of O₂ with Ag, for enhanced stability.

- Automatic calibration
- Altitude, salinity and temperature compensation
- Data logging and storage
- PC compatible
- Polarographic DO probe included

SPECIFICATIONS		HI 2400
Range	DO	0.00 to 45.00 mg/L (ppm)
	% Saturation O ₂	0.0 to 300.0 %
	Temperature	0.0 to 50.0°C
Resolution	DO	0.01 mg/L (ppm)
	% Saturation O ₂	0.1%
	Temperature	0.1°C
Accuracy (@ 20°C/68°F)	DO	±1.5% F.S.
	% Saturation O ₂	±1.5% F.S.
	Temperature	±0.5°C
DO Calibration		automatic, 1 or 2 points at 0% (with HI 7040 solution) and 100% (in air)
Altitude Compensation		0 to 4000 m (with 100 m resolution)
Salinity Compensation		0 to 40 g/L (with 1 g/L resolution)
Temperature Compensation		automatic, 0.0 to 50.0°C
Probe		HI 76407/2 with 2 m (6.6') cable (included)
Logging Interval		1, 15, 30 seconds or 1, 2, 5, 15, 30, 60, 120, 180 minutes
PC connection		RS232 serial port (opto-isolated)
Power Supply		12 Vdc adapter
Environment		0 to 50°C; RH 95%
Dimensions / Weight		240 x 182 x 74 mm (9.4 x 7.2 x 2.9") / 1.1 kg (2.4 lbs.)

ORDERING INFORMATION

HI 2400-01 (115V) and **HI 2400-02** (230V) are supplied with HI 76407/2 dissolved oxygen probe with 2 m (6.7') cable, HI 76407A membrane cap (2), HI 7041S electrolyte solution (30 mL), 12 Vdc power adapter and instructions.

PROBES

- HI 76407/2** DO probe, 2 m (6.6') cable
- HI 76407/4** DO probe, 4 m (13') cable
- HI 76407/10** DO probe, 10 m (33') cable
- HI 76407/20** DO probe, 20 m (67') cable

- HI 76408** D.O. probe for laboratory use, with 1 m (3.3') cable

SOLUTIONS

- HI 7040L** Zero oxygen solution, 500 mL
- HI 7041S** Electrolyte solution, 30 mL

ACCESSORIES

- HI 76407A/P** Replacement membranes (5)
- HI 92000** Windows® compatible software
- HI 920010** Serial cable for PC connection

HI 76407A/P

PTFE Membranes

Carry Extra for Assurance

When the PTFE (PolyTetraFluoro-Ethylene) membrane of the protective cap wears, it is always good to have a back-up.

HI 76407A/P contains 5 ready-to-use, replacement membranes.

