

D.O. Meter for Laboratory

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

The user can choose to display D.O. 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.

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

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

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

The probe supplied with the meter is provided with a polarographic sensor, which measures the current generated by the reaction of O₂ with Ag.

Ordering Information

HI 2400 is supplied complete with HI 76407/2 DO probe with 2 m (6.6') cable, 2 spare membranes, HI 7041S electrolyte solution (30 mL), 12 Vdc power adapter and instructions.



Specifications

HI 2400		
Range	O ₂	0.00 to 45.00 mg/L (ppm)
	% Saturation O ₂	0.0 to 300.0 %
	Temperature	0.0 to 50.0°C
Resolution	O ₂	0.01 mg/L (ppm)
	% Saturation O ₂	0.1%
	Temperature	0.1°C
Accuracy (@20°C/68°F)	O ₂	±1.5% F.S.
	% Saturation O ₂	±1.5% F.S.
	Temperature	±0.5°C
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 / 1.1 kg (9.4 x 7.2 x 2.9") / (2.4 lb.)	

Accessories

HI 76407/2	D.O. probe, 2 m (6.6') cable	HI 7040M	Zero oxygen solution (230 mL)
HI 76407/4	D.O. probe, 4 m (13') cable	HI 7040L	Zero oxygen solution (500 mL)
HI 76407/10	D.O. probe, 10 m (33') cable	HI 7041S	Electrolyte solution (30 mL)
HI 76407/20	D.O. probe, 20 m (67') cable	HI 92000	Windows® compatible software
HI 76407A/P	Replacement membrane (5 pcs)	HI 920010	PC connection cable
HI 76408	D.O. probe for laboratory use, with 1 m (3.3') cable		