



Printing and Logging Dissolved Oxygen Meters

HI 9141 and HI 91410 are portable, printing D.O. meters designed for continuous monitoring and recording at selectable time intervals.

The low-power printer uses regular paper that is easily sourced and will not fade over time.

HI 91410 combines all of the comprehensive printing functions of the HI 9141, with the capability to log measurements. In addition to supplying the user with instant print-outs of D.O., HI 91410 also provides datalogging facilities that will store up to 8000 readings. These measurements can be scrolled through at any time, printed or even transferred to a computer system for elaboration or permanent storage. An optional HI 9200 infrared transmitter can be used to take the data from HI 91410 and send it to a computer without any cords. Simply place the meter on the cradle and, at the touch of a button, all of the recorded lots are transferred in seconds. This infrared connection is important in humid environments, where a standard RS232 plug on a meter could become damaged.

In addition to the automatic calibration feature, both meters automatically compensate for two very important parameters: altitude from 0 to 1900 meters (6230'), and salinity from 0 to 40 g/L.

Specifications

	HI 9141	HI 91410
Range	O ₂	0.00 to 19.99 ppm (mg/L)
	Temperature	0.0 to 50.0°C
Resolution	O ₂	0.01 ppm (mg/L)
	Temperature	0.1°C
Accuracy (@20°C)	O ₂	±1.5% F.S.
	Temperature	±0.5°C
Calibration	automatic, in air, at 100%	
Temperature Compensation	automatic 0 to 30°C	
Altitude Compensation	0 to 1900 m (resolution 100 m)	
Salinity Compensation	0 to 40 g/L (resolution 1 g/L)	
Probe	HI 76407/4, polarographic, 4 m (13') cable (included)	
Printer	low power impact type-belt, common paper, 38 mm (HI 710034)	
Printing Intervals	selectable between 1, 2, 5, 10, 15, 30, 60, 120 and 180 minutes	
Logging Intervals	—	1, 2, 5, 10, 15, 30, 60, 120, 180 minutes
PC Connection	—	RS232 port with HI 9200 transmitter and HI 92000 software (not included)
Power Supply	4 x 1.5V AA/ approx. 70 hours of continuous use (with rapid printing interval); auto-off after 4 hours of inactivity; or input for 12 Vdc power adapter	
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing	
Dimensions	220 x 82 x 66 mm (8.7 x 3.2 x 2.6")	
Weight	550 g (1.21 lb.)	

Accessories

HI 76407/4	D.O. Probe with 4 m (13') cable	HI 76407A/P	Replacement membrane (5 pcs)
HI 76407/10	D.O. Probe with 10 m (33') cable	HI 710005	115 Vac/12 Vdc adapter
HI 76407/20	D.O. Probe with 20 m (67') cable	HI 9200/9	Infrared transmitter (9 pin)
HI 7041S	Refilling electrolyte solution (30 mL)	HI 92000	Windows® compatible software
HI 710006	230 Vac/12 Vdc adapter	HI 710034	Paper roll (10 pcs)
		HI 710035	Ink cartridge(1 pc)
		HI 721317	Rugged carrying case

Ordering Information

HI 9141 is supplied complete with D.O. probe HI 76407/4 with 4 m (13') cable, 2 spare membranes, electrolyte solution HI 7041S (30 mL), 5 paper rolls, batteries, rugged carrying case and instructions.

HI 91410 is supplied complete with D.O. probe HI 76407/4 with 4 m (13') cable, 2 spare membranes, electrolyte solution HI 7041S (30 mL), 5 paper rolls, batteries, rugged carrying case and instructions.

Windows® is a registered trademark of Microsoft Co.