

HI83306

Environmental Analysis Photometer



INSTRUCTION MANUAL

**Dear
Customer,**

Thank you for choosing a Hanna Instruments product.

Please read this instruction manual carefully before using the instrument.

This manual will provide you with the necessary information for correct use of the instrument, as well as a precise idea of its versatility.

If you need additional technical information, do not hesitate to e-mail us at tech@hannainst.com or view our worldwide contact list at www.hannainst.com.

All rights are reserved. Reproduction in whole or in part is prohibited without the written consent of the copyright owner, Hanna Instruments Inc., Woonsocket, Rhode Island, 02895, USA.

3. SPECIFICATIONS

Measurement Channels	4 x optical channels 1 x digital electrode channel (pH measurement)	
Absorbance	Range	0.000 to 4.000 Abs
	Resolution	0.001 Abs
	Accuracy	± 0.003 Abs (at 1.000 Abs)
	Light Source	light emitting diode
	Bandpass Filter Bandwidth	8 nm
	Bandpass Filter Wavelength Accuracy	± 1.0 nm
	Light Detector	silicon photocell
	Cuvette Types	round, 24.6 mm diameter
	Number of Methods	27
pH	Range	-2.00 to 16.00 pH (± 1000.0 mV)*
	Resolution	0.01 pH (0.1 mV)
	Accuracy	± 0.01 pH (± 0.2 mV) (@ 25 °C / 77 °F)
	Temperature Compensation	ATC (-5.0 to 100.0 °C; 23.0 to 212.0 °F)*
	Calibration	2 points, eligible from 5 available buffers (4.01, 6.86, 7.01, 9.18, 10.01 pH)
Temperature	Electrode	Intelligent pH / temperature electrode
	Range	-20.0 to 120.0°C (-4.0 to 248.0 °F)
	Resolution	0.1 °C (0.1 °F)
Additional Specifications	Accuracy	± 0.5 °C (± 0.9 °F) (@ 25 °C / 77 °F)
	Logging	1000 readings (mixed photometer and electrode)
	Display	128 x 64 pixel B/W LCD with backlight
	USB-A (Host) Functions	mass-storage host
	USB-B (Device) Functions	power input, mass-storage device
	Battery Life	> 500 photometer measurements, or 50 hours of continuous pH measurement
	Power Supply	5 Vdc USB 2.0 power adapter/type micro-B connector 3.7 Vdc Li-polymer rechargeable battery, non-serviceable
	Environment	0 to 50 °C (32 to 122 °F); 0 to 95% RH, non-serviceable
	Dimensions	206 x 177 x 97 mm (8.1 x 7.0 x 3.8")
	Weight	1.0 kg (2.2 lbs.)

*Limits will be reduced to actual probe/sensor limits.