



Portable Logging Turbidity Meter (ISO 7027)

HI 93703 series are microprocessor based turbidity meters that provide laboratory precision for field turbidity measurements.

HANNA instruments' HI 93703 is designed to provide you a simple yet accurate way to test turbidity on-site.

These meters have two operating ranges; 0.00 to 50.00 FTUs, and 50 to 1000 FTUs that can accommodate the most turbid condition you may encounter.

The HI 93703 is easy to calibrate (with 3 point calibration) using AMCO-EPA standards and is ISO 7027 compliant.

The HI 93703-11 enhanced version features a real-time clock and internal logging for up to 199 measurements.

Collected data can be downloaded to your management system using the Windows® compatible HI 92000 software.

Both versions meet the requirements of GLP (Good Laboratory Practice) protocols for last calibration data storage.

Specifications

HI 93703	
Range	0.00 to 50.00 FTU* 50 to 1000 FTU*
Resolution	0.01 FTU (0.00 to 50.00 FTU) 1 FTU (50 to 1000 FTU)
Accuracy	±0.5 FTU or ±5% of reading (whichever is greater)
Calibration	3-points (0 FTU, 10 FTU and 500 FTU)
Light Source	infrared LED
Light Source Life	life of the instrument
Light Detector	silicon photocell
Battery Type / Life	4 x 1.5V AA /approx. 60 hours of continuous use or 900 measurements; auto-off after 5 minutes of non-use
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	510 g (1.1 lb.)

HI 93703-11

Same as HI 93703 with additional features:

Data Logging	199 measurements, on-demand
PC Connection	through serial port and HI 92000 Windows® compatible software (not included)
Real Time Clock	yes

* FTU (Formazine Turbidity Unit) = 1 FNU (Formazine Nephelometric Unit)

Accessories

HI 731318	Tissue for wiping cuvetts (4 pcs)	HI 93703-0	AMCO-AEPA-1@ 0 FTU calibration solution (30 mL)
HI 731321	Spare glass cuvet (4 pcs)	HI 93703-05	AMCO-AEPA-1 @ 500 FTU calibration solution (30 mL)
HI 731313	Maintenance kit: rugged carrying case including HI 93102-0 and HI 93102-20 calibration solutions, HI 93703-50 cuvet cleaning solution, 1 tissue for wiping cuvetts and 2 cuvetts	HI 93703-10	AMCO-AEPA-1 @ 10 FTU calibration solution (30 mL)
		HI 92000	Windows® compatible application software
		HI 920011	Serial cable (5 to 9 pin) for PC connection

For other accessories see sections U and V.
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Ordering Information

HI 93703 is supplied complete with glass cuvet, batteries and instructions.
HI 93703-11 is supplied complete with glass cuvet, batteries and instructions.
HI 93703C, kit including HI 93703 and HI 731313 maintenance kit.