

HI-93703-11

# Turbidity meter Logging

## Portable Logging Turbidity Meter ISO Compliant

GLP Features

3 point calibration

Logging for up to 199 measurements (HI 93703-11)

PC Connectivity (HI 93703-11)

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

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

HANNA instruments has chosen 10 FTU\* as the calibration point because it is the value that best fits the water turbidity measurements in different applications, from drinking water to wastewater treatment. HANNA instruments uses the primary standard AMCO-AEPA-1 to avoid all formazine-related problems. Formazine is a very toxic, unstable substance which requires particular care: its standards have to be prepared only a few minutes before performing the calibration, and cannot be reused because of their short life. HANNA AMCO-AEPA-1 standards are extremely stable, can be reused, and last up to six months if free from contamination. HI 93703 can be used with both standards.

The HI 93703-11 enhanced version features a real-time clock, logging for up to 199 measurements and PC compatibility via the RS232 interface and Windows® compatible HI 92000 software.



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

Order Information:

HI 93703-11 is supplied complete with glass cuvette, batteries and instructions.

## Specifications

Accuracy		±0.5 FTU or ±5% of reading (whichever is greater)
Battery Type / Life		4 x 1.5V AA / approx. 60 hours of continuous use or 900 measurements; automatic shut-off after 5 minutes of non-use
Calibration		3 points (0 FTU, 10 FTU and 500 FTU)
Data Logging		199 measurements, on-demand
Dimensions		220 x 82 x 66 mm (8.7 x 3.2 x 2.6")
Environment		0 to 50°C (32 to 122°F); RH max 95% non-condensing
Light Detection		Silicon Photocell
Light Source		infrared LED
PC Connection		through serial port and HI 92000 Windows <sup>®</sup> compatible software (not included)
Range		0.00 to 50.00 FTU; 50 to 1000 FTU
Real Time Clock		yes
Resolution		0.01 FTU (0.00 to 50.00 FTU); 1 FTU (50 to 1000 FTU)
Weight		510 g (1.1 lb.)