

# HI 93703

## Portable Turbidity Meter with RS 232 and Log-on-demand

### Features ...

Now you can have laboratory precision for your field turbidity measurements. Hanna's **HI 93703** is designed to provide you a simple yet accurate way to test turbidity on-site. This meter has 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 2 point calibration) using AMCO-EPA standards and is ISO 7027 compliant.

The **HI 93703-11** enhanced version has 3 point calibration and comes with a real-time clock and internal logging for up to 200 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 Practices) protocols for last calibration data storage.

### ... and Benefits

#### Specifications

##### HI 93703

Range	0.00 to 50.00 FTU* / 50 to 1000 FTU*
Resolution	0.01 FTU / 1 FTU
Accuracy	±0.5 FTU* or ±5% of reading whichever is greater
Typical EMC Deviation	±2% F.S.
Calibration	2 points (0 FTU & 10 FTU)
Light Source	High Emission Infrared LED
Light Life	Life of the instrument
Light Detector	Silicon Photocell
Battery Type / Life	4 x 1.5V AA batteries/ 60 hours of continuous use or 900 measure- ments. Auto shut-off after 5 minutes of non-use
Environment	0 to 50°C (32 to 122°F); RH 95%
Dimensions	220 x 82 x 66 mm (8.7 x 3.2 x 2.6")
Weight	510 g (18 oz.)

##### HI 93703-11

Same specifications as **HI 93703**  
with the following:

Calibration	3 (0 FTU, 10 FTU & 500 FTU)
Logging Capabilities	200 measurements
Computer Interface	RS232, with optional <b>HI 92000</b> software
Real Time Clock	Yes

\* FTU (Formazine Turbidity Unit) = 1 NTU (Nephelometric Turbidity Unit)

#### Ordering Information

**HI 93703** is supplied with measurement cuvet and cap, 4x 1.5V AA batteries and instruction manual.

**HI 93703-11** is supplied with measurement cuvet and cap, RS232, 4x 1.5V AA batteries and instruction manual in a hard carrying case.

**HI 93703C** is comprised of **HI 93703** complete with **HI 731313** maintenance kit.

#### • Wide Range

Both models guarantee accurate measurement with low and high turbidity levels.

#### • Good Laboratory Practice

With the press of a button, the last calibration information is retrieved from memory and displayed to assure accurate measurements.

#### • Logging Capability

This powerful feature allows you to store information from up to 200 samples including the time and date of each measurement (**HI 93703-11** only).

#### Accessories

<b>HI 731318</b>	Tissue for wiping cuvetts (4 pcs)
<b>HI 731321</b>	Spare measurement cuvetts (4 pcs)
<b>HI 731313</b>	Rugged carrying case with calibration solutions <b>HI 93703-0</b> and <b>HI 93703-10</b> , <b>HI 93703-50</b> cleaning solution, <b>HI 731318</b> tissue for wiping cuvetts and 2 measurement cuvetts
<b>HI 93703-0</b>	AMCO-EPA-1 cal. sol. @ 0 FTU (30 ml)
<b>HI 93703-5</b>	AMCO-EPA-1 cal. sol. @ 500 FTU (30 ml) for HI93703-11 only
<b>HI 93703-10</b>	AMCO-EPA-1 cal. sol. @ 10 FTU (30 ml)
<b>HI 92000</b>	Windows® compatible software
<b>HI 920010</b>	9-pin cable for pc

For a comprehensive list of accessories see section U.  
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