

HI 93703

Portable Turbidity Meter

Now also with RS 232 & Log-on-demand

The **HI 93703** microprocessor-based turbidity meters provide lab-grade accuracy even in the field. With a few keys and weighing only 350 grams, **HI 93703 series** measure turbidity from 0 to 1000 FTU (NTU)*. For best field accuracy, **HI 93703** measures from 0 to 50 FTU in steps of **1/100th of FTU**. This is 10 times better than comparable models on the market that measure 10 to 50 FTU only in decimal points! The meter meets the ISO 7027 requirements.

HI 93703 is the only Hanna portable turbidity meter equipped with an infrared LED as a light source. Unlike standard lamps, the **infrared LED** has a **long life**. More significantly, it maintains constant emission for the entire life of the instrument. The wavelength peaks at 890 nm, which provides the required intensity of diffused light even in samples with low turbidity values, and also **reduces the interference from colors**. The meter is very easy to use. All operations can be carried out with a few keys and troubleshooting functions can be performed with error codes on

LCD. Moreover, the meter's versatility and durability ensure low maintenance.

Sensitive to the user's need to work with properly calibrated meters, Hanna has equipped **HI 93703** with a unique **GLP** (Good Laboratory Practice) feature. **GLP** circuitry automatically stores and retrieves the last calibration data. At the touch of a button, the last calibration data together with time and date are displayed allowing the user to maintain an accurate calibration schedule.

In addition to the outstanding features listed above, the upgraded **HI 93703-11** can **memorize** up to **200 measurements** at any time. These can be later recalled on the LCD or downloaded to a PC.

HI 93703-11 has a real time clock and can be also calibrated at 500 FTU. Use the optional Windows® compatible **HI 92000** software to get the most from your instrumentation.

HI 93703 is available at the most competitive price on the market.

SPECIFICATIONS

	HI 93703
RANGE	0.00 to 50.00 FTU / 50 to 1000 FTU*
RESOLUTION	0.01 / 1 FTU
ACCURACY	±0.5 FTU or ±5% of reading (whichever greater)
TYPICAL EMC DEVIATION	±2% Full Scale
LIGHT SOURCE/LIFE	High Emission Infrared LED / Life of the instrument
LIGHT DETECTOR	Silicon Photocell
COMPUTER INTERFACE	RS232, with optional HI 92000 software (HI 93703-11 only)
BATTERY TYPE/LIFE	4 x 1.5V AA batteries 60 hours or 900 measurements Auto-shut off after 5 minutes
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.)

HOW TO ORDER

- HI 93703** portable turbidity meter is supplied with measurement cuvet and cap, 4 x 1.5V AA batteries and instruction manual
- HI 93703-11** portable turbidity meter is supplied with measurement cuvet, RS232 and cap, 4 x 1.5V AA batteries and instruction manual
- HI 93703C** is comprised of **HI 93703** complete with **HI 731313** maintenance kit

ACCESSORIES

- HI 731321** Measurement cuvetts (4 pcs)
- HI 731313** Rugged carrying case with cal. solutions HI 93703-0 and HI 93703-10, HI 93703-50 cleaning solution, HI 731318 tissue for wiping cuvetts, 2 measurement cuvetts
- HI 93703-0** AMCO-EPA-1 cal. sol. @ 0 FTU (30 mL)
- HI 93703-05** AMCO-EPA-1 cal. sol. @ 500 FTU (30 mL) for HI 93703-11 only
- HI 93703-10** AMCO-EPA-1 cal. sol. @ 10 FTU (30 mL)
- HI 93703-50** Cleaning solution for cuvetts (230 mL)
- HI 731318** Tissue for wiping cuvetts (4 pcs)
- For a comprehensive list of accessories see section R.**

