

HI 98703

**EPA Compliant Turbidity Meter**

Features HANNA's Exclusive Fast Tracker™ (T.I.S.)



*FastTracker™*  
A new revolution in organized data management.

**EPA Compliant Turbidity Measurement**

The HI 98703 meets and exceeds the requirements of the USEPA Method 180.1 for wastewater and Standard Method 2130 B for drinking water.

The HI 98703 measures the turbidity of a sample in the 0.00 to 1000 NTU (Nephelometric Turbidity Units) range. An effective algorithm calculates and converts the readings in NTU. The instrument has an EPA compliance reading mode which rounds the reading to meet EPA reporting requirements. Depending on the measured probe and needed accuracy, normal, continuous, or signal averaging measurement can be selected.

HI 98703 has GLP (Good Laboratory Practice) functions that allow traceability of the calibration conditions. The last calibration points, time and date can be checked at any time by a single touch.

HI 98703 has a user-friendly interface with a backlit, easy to read, large LCD (Liquid Crystal Display). The display codes guide the user step by step with routine operation and through calibration.

With its logging function, up to 200 measurements can be stored in the internal memory and consulted at any time. In order to further store and analyze, the data can be downloaded to a PC using by either RS232 or USB.

For advanced field applications, the HI 98703 turbidimeter is equipped with Fast Tracker™—Tag Identification System (T.I.S.) that makes data collecting and management simpler than ever.

- Tungsten light source—EPA compliant turbidity measurement
- High accuracy at low ranges (below 0.05 NTU)
- Exclusive Fast Tracker™
- 2, 3 or 4 point calibration
- USB and RS232 PC connectivity
- Backlit LCD
- GLP capability
- User friendly display with guidance codes
- Battery percentage on display
- Continuous current time on display

**SPECIFICATIONS****HI 98703**

|                       |  |
|-----------------------|--|
| Range                 | 0.00 to 9.99; 10.0 to 99.9 and 100 to 1000 NTU   |
| Range Selection       | Automatic  |
| Resolution            | 0.01 NTU from 0.00 to 9.99 NTU; 0.1 NTU from 10.0 to 99.9 NTU; 1 NTU from 100 to 1000 NTU  |
| Accuracy              | ±2% of reading plus 0.02 NTU   |
| Repeatability         | ±1% of reading or 0.02 NTU, whichever is greater   |
| Stray Light           | < 0.02 NTU   |
| Typical EMC Deviation | ±0.05 NTU  |
| Light Detector        | Silicon Photocell  |
| Light Source          | Tungsten filament lamp   |
| Lamp life             | Greater than 100,000 readings  |
| Method                | Ratio Nephelometric Method (90°), ratio of scattered and transmitted light; Adaptation of the USEPA Method 180.1 and Standard Method 2130 B. |
| Measuring mode        | Normal, Average, Continuous  |
| Turbidity Standards   | <0.1, 15, 100 and 750 NTU  |
| Calibration           | Two, three or four-point calibration   |
| LOG Memory            | 200 records  |
| Serial Interface      | USB or RS 232  |
| Environment           | Up to 50°C (122°F); max 95% RH non-condensing  |
| Power Supply          | (4) 1.5V AA alkaline batteries or AC adapter; Auto-off after 15 minutes of non-use   |
| Dimensions / Weight   | 224 x 87 x 77 mm (8.8 x 3.4 x 3.0") / 512 g (18 oz.)   |

**ORDERING INFORMATION**

HI 98703-01 (115V) and HI 98703-02 (230V) are supplied with (5) sample cuvetts and caps, HI 98703-11 calibration cuvetts, HI 93703-58 silicone oil, cuvet wiping tissue, (4) batteries, AC adapter, instruction manual and rugged carrying case.

**SOLUTIONS**

HI 98703-11 Turbidity standards kit

HI 93703-50 Cuvet cleaning solution, 250 mL

**ACCESSORIES**

HI 920005 Tag holders with tags (5)

HI 98703-58 Silicone oil (15 mL)

HI 93703-60 Caps for cuvetts (4)

HI 731318 Tissue for wiping cuvetts (4)

HI 731331 Glass cuvetts (4)

HI 92000 Windows® compatible software

HI 920011 5 to 9 pin RS232 connection cable

HI 920013 USB cable for PC connection