USB compatible | 4 points | lcd backlight | fast tracker

HI 98713
ISO Turbidity Meter
Features HANNA*'s Exclusive Fast Tracker™(T.I.S.)*

Designed for Low Turbidity Water Quality Measurements

The HI 98713 measures the turbidity of a sample in the 0.00 to 1000 FNU range. An effective algorithm calculates and converts the detectors output in FNU. Depending on the needed accuracy, normal measurement, continuous measurement, or signal averaging measurement can be selected.

The optical system—The Infrared Method (ISO 7027), consists of a infrared LED and two detectors (scattered and transmitted light), that assures long term stability and minimizes stray light and color interferences. It also compensates for variations in intensity of the LED, minimizing the need for frequent calibration.

The 25 mm round cuvets made from special optical glass guarantee the repeatability and consistency of the measurements.

HI 98713 has complete GLP (Good Laboratory Practice) functions that allow traceability of the calibration conditions. Last calibration points, time and date can be checked at any time by a single touch.

HI 98713 has a very 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 calibration.

With the HI 98713's logging function, up to 200 measurements can be stored in the internal memory and consulted at any time. Data can be downloaded to a PC for storing or further analysis through one of the two available ports: RS232 or USB.

For advanced field applications, the HI 98713 turbidimeter is equipped with Fast Tracker™—Tag Identification System (T.I.S.) that makes data collecting and management simpler than ever.

- Exclusive Fast Tracker™
- 2, 3 or 4 point calibration
- USB and RS 232 PC connectivity
- Backlit LCD
- GLP capability
- User friendly display with guidance codes
- Battery percentage on display
- Continuous current time on display

FastTracker™
A new revolution in organized data management

SPECIFICATIONS

Range	0.00 to 9.99; 10.0 to 99.9 and 100 to 1000 FNU
Range Selection	Automatic
Resolution	0.01 FNU from 0.00 to 9.99 FNU; 0.1 FNU from 10.0 to 99.9 FNU; 1 FNU from 100 to 1000 FNU
Accuracy	±2% of reading plus 0.1 FNU
Repeatability	±1% of reading or 0.1 FNU, whichever is greater
Stray Light	< 0.1 FNU
Typical EMC Deviation	±0.05 FNU
IR Detector	Silicon Photocell
Light Source	860 nm infrared LED
Lamp life	Greater than 100,000 readings
Method	Adaptation of ISO 7027, ratio method with 90° and 180° detector.
Turbidity Standards	<0.1, 15, 100 and 750 FNU
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.)

HI 920005 ***iButton® Tags***

ORDERING INFORMATION
HI 98713-01 (115V) and **HI 98713-02** (230V) are supplied with (5) sample cuvets and caps, HI 98713-11 calibration cuvets, 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 cuvets (4)
HI 731318	Tissue for wiping cuvets (4)
HI 731331	Glass cuvets (4)
HI 92000	Windows® compatible software
HI 920011	5 to 9 pin RS232 connection cable
HI 920013	USB cable for PC connection