

HI 98713

Portable Turbidity Meter with Fast Tracker™ Technology, ISO

- Two, three or four point calibration
- USB and RS 232 PC connectivity
- Log up to 200 records
- GLP Features
- User friendly, backlit LCD display with guidance codes
- Battery % on startup
- Continuous current time on display

The HI 98713 meets and exceeds the requirements of the ISO 7027 for water quality and provides a reliable and accurate readings on low turbidity values. An effective algorithm calculates and converts the detectors output in FNU. Depending on the needed accuracy, normal, continuous, or signal averaging can be selected.

The optical system—The Infrared Method (ISO 7027), consists of an infrared LED and two detectors (scattered and transmitted light), that assures long term stability and minimizes stray light and color interferences. HI 98713 also compensates for variations in intensity of the LED, minimizing the need for frequent calibration.

This instrument incorporates complete GLP (Good Laboratory Practice) functions that allow traceability of the calibration conditions. The last calibration points, time and date can be checked at the touch of a button.

With it's logging function, up to 200 measurements along with it's tagged locations can be stored in internal memory and consulted at any time. Data can be later transferred to a PC via RS232 or USB interface and HANNA HI 92000 software (optional).

ORDERING INFORMATION

HI 98713-01 (115V) and HI 98713-02 (230V) is supplied with sample cuvettes and caps (5), HI 98713-11 calibration cuvettes, HI 93703-58 silicone oil, cuvette cleaning cloth, batteries, AC adapter, instructions and rugged carrying case.

SOLUTIONS

HI 98713-11 Turbidity calibration standards
 HI 93703-50 Cuvette cleaning solution, 230 mL

ACCESSORIES

HI 920005 Tag holders with tags (5)
 HI 98703-58 Silicone oil (15 mL)
 HI 93703-60 Caps for cuvettes (4)
 HI 731318 Cuvette cleaning cloth (4)
 HI 731331 Glass cuvettes (4)
 HI 92000 Windows® compatible software
 HI 920011 5 to 9 pin RS232 connection cable
 HI 920013 USB cable for PC connection



FastTracker
 A new revolution in organized data management

Exclusive Fast Tracker™

For advanced field applications, the HI 98713 is equipped with Fast Tracker™—Tag Identification System (T.I.S.) that makes data collecting and management simpler than ever. Fast Tracker™ allows users to record the time and location of a specific measurement or series of measurements.

SPECIFICATIONS	HI 98713
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 @25°C/77°F	±2% of reading plus 0.1 FNU
Repeatability	±1% of reading or 0.1 FNU, whichever is greater
Stray Light	< 0.1 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 RS232
Environment	up to 50°C (122°F); RH max 95% non-condensing
Power Supply	1.5V AA alkaline batteries (4) 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.)