



FastTracker™
location traceability

HI98713 · HI987134

Turbidity Meter

with Fast Tracker™ Technology, ISO

The HI98713 and HI987134 (Pool Line) Precision ISO Turbidity Portable Meters are specially designed for water quality measurements, providing accurate, reliable readings even within low turbidity ranges.

Ratio Measurement Mode

These meters measure turbidity using the ratio method with a 90° and 180° light detector for accurate measurements.

Multiple reading modes

Normal, continuous, or signal averaging measurement reading modes available.

ISO Compliant

Both meters exceed the requirements of ISO 7027 method for turbidity measurements by use of an infrared LED light source.

Calibration

HI98713 and HI987134 feature a powerful calibration function that compensates for variation in light intensity. A two, three, or four-point turbidity calibration can be performed by using the supplied (<0.1, 15, 100 and 750 FNU) standards. Calibration points can be modified if user-prepared standards are used.

AMCO AEPA-1 Primary Turbidity Standard

The AMCO AEPA-1 supplied standards are recognized as a primary standard by the USEPA. These non-toxic standards are made of styrene divinylbenzene polymer spheres that are uniform in size and density. The standards are reusable and stable with a long shelf life.

GLP Data

Features complete GLP (Good Laboratory Practice) functions that allow traceability of the calibration conditions. Data includes calibration points, date, and time.

Data Logging

Up to 200 measurements can be stored in the internal memory and recalled at any time.

Data Transfer

Logged data can be downloaded to a Windows® compatible PC using the USB or RS232 port and the HI92000 software.

Fast Tracker™

For advanced field applications, the HI98713 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 using iButton® tags near sampling points for quick and

easy readings. Each iButton® tag contains a computer chip with a unique identification code encased in stainless steel.

Backlit Graphic LCD Display

A graphic LCD display provides an easy to understand, user-friendly interface. All messages are in plain text making them easy to read.



Specifications	HI98713	HI987134(Pool Line)
Range	0.00 to 1000 FNU	
Resolution	0.01 (0.00 to 9.99 FNU); 0.1 (10.0 to 99.9 FNU); 1 (100 to 1000 FNU)	
Accuracy	±2% of reading plus 0.1 FNU	
Range Selection	automatic	
Repeatability	±1% of reading or 0.01 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	
Measuring Mode	normal, average, continuous.	
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	0 to 50°C (32 to 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.)	
Ordering Information	HI98713-01 (115V), HI98713-02 (230V), and HI987134-02 (230V) (Pool Line) is supplied with sample cuvettes and caps (5), calibration cuvettes, silicone oil (HI98703-58), cuvette wiping cloth, batteries, AC adapter, instructions and rugged carrying case.	