

# Turbidity Meter

*Fast Tracker™ Technology,  
EPA Compliant*

The HI98703 Precision Turbidity Portable Meter is specially designed for water quality measurements, providing reliable and accurate readings, especially in the low turbidity range. The instrument is based on a state-of-the-art optical system which guarantees accurate results, assures long term stability, and minimizes stray light and color interferences. Periodic calibration with the supplied standards compensates for any variations in intensity of the tungsten lamp. The 25 mm round cuvettes composed of special optical glass guarantee the repeatability of turbidity measurements.



## EPA Compliant Measurement

The HI98703 meets and exceeds the requirements of EPA and Standard Methods for turbidity measurements. When the meter is in EPA mode all turbidity readings are rounded accordingly to meet reporting requirements.



### Backlit Display

A backlit LCD display provides an easy to understand, user-friendly interface. Displayed codes guide the user step-by-step through routine operation and calibration.

### Multiple reading modes

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



### Calibration

A two, three, or four-point turbidity calibration can be performed by using the supplied (<0.1, 15, 100, and 750 NTU) 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

The HI98703 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

For further storage or analysis options, logged data can be downloaded to a Windows compatible PC using the RS232 or USB port and the HI92000 software.

## HI93102 Solutions and Accessories

Reagent Code	Description
HI93102-0	AMCO-AEPA-1 calibration solution, 0 NTU, 30 mL bottle
HI93102-20	AMCO-AEPA-1 calibration solution, 20 NTU, 30 mL bottle
HI93701-01	free chlorine (Cl <sub>2</sub> ) reagent kit, 100 tests
HI93701-03	free chlorine (Cl <sub>2</sub> ) reagent kit, 300 tests
HI93710-01	pH reagent kit, 100 tests
HI93710-03	pH reagent kit, 300 tests
HI93711-01	total chlorine (Cl <sub>2</sub> ) reagent kit, 100 tests
HI93711-03	total chlorine (Cl <sub>2</sub> ) reagent kit, 300 tests
HI93716-01	bromine (Br) reagent kit, 100 tests
HI93716-03	bromine (Br) reagent kit, 300 tests
HI93718-01	iodine (I) reagent kit, 100 tests
HI93718-03	iodine (I) reagent kit, 300 tests
HI93722-01	cyanuric acid (CYAC) reagent kit, 100 tests
HI93722-03	cyanuric acid (CYAC) reagent kit, 300 tests
HI93746-01	iron (Fe) low range reagent kit, 100 tests
HI93746-03	iron (Fe) low range reagent kit, 300 tests

Accessory Code	Description
HI920005	tag holders with tags (5)
HI93703-50	cuvette cleaning solution, 230 mL
HI731318	cuvette wiping cloth (4)
HI731321	spare glass cuvettes, small (4)

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## HI98713 Standards and Accessories

Reagent Code	Description
HI98713-11	turbidity calibration standards (<0.1, 15, 100 and 750 FNU)

Accessory Code	Description
HI920005	tag holders with tags (5)
HI93703-50	cuvette cleaning solution, 230 mL
HI98703-58	silicone oil, 15 mL
HI731318	cuvette wiping cloth (4)
HI731331	glass cuvettes, large (4)
HI731335N	caps for cuvettes, large (4)
HI92000	Windows® compatible software
HI920013	USB cable for PC connection
HI920011	5 to 9 pin RS232 connection cable

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## HI88713 Standards and Accessories

Reagent Code	Description
HI88713-11	turbidity calibration standards (<0.1, 15, 100, 750 FNU and 2000 NTU)

Accessory Code	Description
HI93703-50	cuvette cleaning solution, 230 mL
HI98703-58	silicone oil, 15 mL
HI731318	cuvette wiping cloth (4)
HI731331	glass cuvettes, large (4)
HI731335N	caps for cuvettes, large, turbidity (4)
HI92000	Windows® compatible software
HI920013	USB cable for PC connection
HI920011	5 to 9 pin RS232 connection cable

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## HI93703 Standards and Accessories

Reagent Code	Description
HI93703-0	AMCO-AEPA-1 calibration solution, 0 FTU, 30 mL bottle
HI93703-05	AMCO-AEPA-1 calibration solution, 500 FTU, 30 mL bottle
HI93703-10	AMCO-AEPA-1 calibration solution at 10 FTU, 30 mL bottle

Accessory Code	Description
HI731313	maintenance kit: rugged carrying case containing HI93703-0, HI93703-05 and HI93703-10 calibration standards, cuvettes with caps (2) and cuvette wiping cloth
HI93703-50	cuvette cleaning solution, 230 mL
HI98703-58	silicone oil, 15 mL
HI731318	cuvette wiping cloth (4)
HI731321	spare glass cuvettes, small (4)

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The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

