



## HI88713 Turbidity Benchtop Meter

### ISO Compliant

- **Backlight**
  - Graphic display, backlit LCD
- **Five-point calibration**
  - Up to 5 point calibration
- **GLP features**
  - Meets Good Laboratory Practices
- **Logging**
  - Log up to 200 records
- **Help features**
  - Contextual help and tutorial mode
- **Connectivity**
  - USB PC connectivity

The HI88713 turbidity bench meter meets and exceeds the requirements of the ISO 7027 standard.

The HI88713 is based on an optical system which guarantees accurate results, long-term stability and minimizes stray light and color interferences. It also compensates for variations in intensity of the LED, limiting the need for frequent calibration.

Depending on the measured sample and needed accuracy, normal, continuous or signal averaging measurement can be selected.

A two, three, four or five-point calibration can be performed using the supplied standards. Calibration points can be modified when user-prepared standards are used.

The HI88713 turbidity bench meter has complete GLP (Good Laboratory Practice) functions that allow traceability of the calibration conditions.

The HI88713 turbidity bench meter has a user-friendly interface with an easy-to-understand, graphic LCD. Comprehensive contextual help is available at the touch of a button. Furthermore, a tutorial mode of operation guides the user step by step through the analysis process.

Up to 200 measurements can be stored in internal memory. Data can be transferred to a PC via optional HI920013 USB cable and HI92000 Windows® compatible software.

### Specifications

### HI88713

FNU Mode	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 stray light
FAU Mode	Range	10.0 to 4000 FAU
	Resolution	0.1 (10.0 to 99.9 FAU); 1 (100 to 4000 FAU)
	Accuracy @25°C/77°F	± 10% of reading
NTU Ratio Mode	Range	0.00 to 4000 NTU; 0.00 to 980 EBC
	Resolution	0.01 (0.00 to 9.99 NTU); 0.1 (10.0 to 99.9 NTU); 1 (100 to 4000 NTU) / 0.01 (0.00 to 9.99 EBC); 0.1 (10.0 to 99.9 EBC); 1 (100 to 980 EBC)
	Accuracy	±2% of reading plus stray light; ±5% of reading above 1000 NTU
NTU Non-ratio Mode	Range	0.00 to 1000 NTU; 0.00 to 245 EBC
	Resolution	0.01 (0.00 to 9.99 NTU); 0.1 (10.0 to 99.9 NTU); 1 (100 to 1000 NTU) / 0.01 (0.00 to 9.99 EBC); 0.1 (10.0 to 99.9 EBC); 1 (100 to 245 EBC)
	Accuracy @25°C/77°F	±2% of reading plus stray light
Additional Specifications	Range Selection	automatic
	Repeatability	±1% of reading or stray light, whichever is greater
	Stray Light	< 0.1 NTU (0.05 EBC)
	Light Detector	silicon photodiode
	Light Source	IR LED
	Method	ISO 7027 method
	Measuring Mode	normal, average, continuous.
	Turbidity Standards	<0.1, 15, 100, 750 FNU and 2000 NTU
	Calibration	two, three, four or five-point calibration
	Log Memory	200 records
	Serial Interface	USB
	Environment	0°C to 50°C (32 to 122°F); max 95% RH non-condensing
	Power Supply	12 Vdc
Dimensions / Weight	230 x 200 x 145 mm (9 x 7.9 x 5.7") / 2.5 Kg (88 oz.)	
<b>Ordering Information</b>	<b>HI88713-01</b> (115V) and <b>HI88713-02</b> (230V) are supplied with sample cuvettes and caps (5), calibration cuvettes (HI88713-11), silicone oil (HI98703-58), cuvette wiping cloth, power adapter and instruction manual.	

See page 12.19 for reagents and accessories