

Turbidity Benchtop Meter, ISO



- Graphic display, backlit LCD
- Two, three, four or five point calibration
- GLP features
- Log up to 200 records
- Contextual help and tutorial mode
- USB PC connectivity

The HI 88713 turbidity bench meter meets and exceeds the requirements of the ISO 7027 standard.

HI 88713 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 HI 88713 turbidity bench meter has complete GLP (Good Laboratory Practice) functions that allow traceability of the calibration conditions.

The HI 88713 turbidity bench meter has a user-friendly interface with an easy to understand, graphic LCD. Comprehensive contextual help is available at a simple key press. 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 HI 920013 USB cable and HI 92000 Windows® compatible software.

ORDERING INFORMATION

HI 88713-01 (115V) and **HI 88713-02** (230V) are supplied with sample cuvettes and caps (6), calibration cuvettes, silicone oil, tissue for wiping cuvettes, power adapter and instruction manual.

STANDARDS

HI 88713-11 Turbidity calibration standards (<0.1, 15, 100, 750 FNU and 2000 NTU)

ACCESSORIES

HI 93703-50 Cuvette cleaning solution, 230 mL
HI 98703-58 Silicone oil (15 mL)
HI 731318 Tissue for wiping cuvettes (4)
HI 731331 Glass cuvettes (4)
HI 731335N Caps for cuvettes (4)
HI 92000 Windows® compatible software
HI 920013 USB cable for PC connection

SPECIFICATIONS		HI 88713
Range	FNU Mode	0.00 to 9.99; 10.0 to 99.9; 100 to 1000 FNU
	FAU Mode	10.0 to 99.9; 100 to 4000 FAU
	NTU Ratio Mode	0.00 to 9.99; 10.0 to 99.9; 100 to 4000 NTU 0.00 to 9.99; 10.0 to 99.9; 100 to 980 EBC
	NTU Non-Ratio Mode	0.00 to 9.99; 10.0 to 99.9; 100 to 1000 NTU 0.00 to 9.99; 10.0 to 99.9; 100 to 245 EBC
Range Selection	automatic	
Resolution	FNU Mode	0.01; 0.1; 1 FNU
	FAU Mode	0.1; 1 FAU
	NTU Ratio Mode	0.01; 0.1; 1 NTU / 0.01; 0.1; 1 EBC
	NTU Non-Ration Mode	0.01; 0.1; 1 NTU / 0.01; 0.1; 1 EBC
Accuracy @25°C/77°F	FNU Mode	±2% of reading plus stray light
	FAU Mode	±10% of reading
	NTU Ratio Mode	±2% of reading plus stray light / ±5% of reading above 1000 NTU
	NTU Non-Ratio Mode	±2% of reading plus stray light
Repeatability	±1% of reading or stray light, whichever is greater	
Stray Light	< 0.1 NTU (0.05 EBC)	
Light Detector	silicon photocell	
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 (32°F) to 50°C (122°F); max 95% RH non-condensing	
Power Supply	12 Vdc power input	
Dimensions / Weight	230 x 200 x 145 mm (9 x 7.9 x 5.7") / 2.5 Kg (88 oz.)	

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