

MICRO 1000 RATIO TURBIDIMETER

advanced features for diverse applications



MICRO 1000 RATIO TURBIDIMETER

STANDARD FEATURES:

► Extended Auto Ranging up to 10,000 NTU

Instrument senses turbidity level of sample and automatically adjusts to the appropriate measurement range.

► Multiple Measurement Modes

NTU, EBC, Nephelos, FNU, and FAU

► Auto Alert Calibration Prompt

Automatically prompts the operator to initiate simple menu-driven calibration

► Built-in Diagnostics

Full time diagnostic software automatically monitors and detects errors.

► Reusable Calibration Standards

Quick and easy calibration across all ranges without the need to mix Formazin.

► Ratio (Color Correction)

Automatic compensation for background color.

OPTIONAL FEATURES:

► Pour Through & Flow Through Assemblies

Save time by pouring your grab sample through the measurement chamber or pressure feed using the flow through assembly.

Designed to provide the accuracy demanded in today's laboratory, the Micro 1000 Ratio Turbidimeter is ready to meet the challenge. Features like the Auto Alert Calibration Prompt and the Quick Connection Lamp Module, allow for simple calibration and low maintenance. A full time ratio (color correction) mode is also featured. With a resolution of 0.0001 NTU at low turbidity readings and an extended range to 10,000 NTU, the Micro 1000 is an ideal and affordable tool for research as well as routine analytical measurements.

Note: The Micro 1000 meets performance criteria specified by USEPA method 180.1 for NTU measurement and ISO7027 (IR version).

SPECIFICATIONS

Range:	Micro 1000 White Light	Micro 1000 IR Infrared
	0 - 10,000 NTU	0 - 10,000 NTU
	0 - 2,450 EBC	0 - 2,450 EBC
	0 - 67,800 Nephelos	0 - 10,000 FNU
		0 - 10,000 FAU
Principal of Operation:	Nephelometric	
Ratio (Color Correction):	Full Time ON or OFF	
Accuracy:	± 2% of reading plus 0.01 NTU	
Resolution:	0.0001 NTU on Lowest Range	
Response Time:	less than 6 seconds	
Sample Size:	30 ml	
Light Source:	Quick connect Tungsten Filament or Infrared	
Operating Temperature:	32° - 122°F (0° - 50°C)	
Air Purge:	Connection for external dry air supply	
Outputs:	RS-232 Serial Port (Bidirectional)	
Shipping Dimensions:	14 x 12 x 12 inches (35.5 x 30.4 x 30.5 cm)	
Weight:	7.0 lbs. (3.18 kg)	
Certification:	UL, CSA, CE, USEPA, ISO7027	

ORDERING INFORMATION

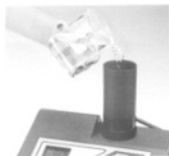
Catalog No.	Description	Approval
20013	Micro 1000 White Light Ratio Turbidimeter, 120 VAC	USEPA
20014	Micro 1000 White Light Ratio Turbidimeter, 100 - 240 VAC	USEPA
20015	Micro 1000 IR Ratio Turbidimeter, 120 VAC	ISO7027
20016	Micro 1000 IR Ratio Turbidimeter, 100 - 240 VAC	ISO7027

The Micro 1000 includes a set of Calibration Standards (0 - 10000 NTU), two measuring cuvettes with light shield caps, operator's manual, and plug-in power adapter.

ACCESSORIES

19927	Calibration Set for White Light
19928	Calibration Set for IR
50051	Cuvettes, 28 x 70 mm, 3 pack
19975	Pour Through Assembly
19889	Pressurized Flow-through Assembly

Represented By:



Optional Pour Through Assembly

HP scientific, inc.

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