The low range turbidimeter.

Accuracy
Continuously flowing sample flows through the patented bubble removal system, which vents entrained air from the sample stream and eliminates the most significant interference in low level turbidity measurement. The 1720E Turbidimeter is also not affected by variations in flow and pressure.

Simplicity
A simplified two-module design includes the sensor and the controller interface. The digital controller systems accept two turbidity sensors—adding a second 1720E sensor makes a system with two complete turbidimeters or any other digital sensor. Connections are simple plug-and-play.

Data Collection and Display
A built-in data logger collects turbidity measurement at user selectable intervals (1-15 minutes), along with calibration and verification points, alarm history, and instrument setup changes for 6 months. Communications using multiple digital protocols are available.

Specifications*
Range
0.001-100 Nephelometric Turbidity Units (NTU)
Accuracy
±2% of reading or ±0.015 NTU (whichever is greater) from 0 to 40 NTU;
±5% of reading from 40 to 100 NTU
(Defined according to ISO 15839.)
Displayed Resolution
0.001 NTU up to 9.9999 NTU; 0.001 NTU from 10.000 to 99.999 NTU
Repeatability
Better than ±1.0% of reading or ±0.002 NTU, whichever is greater
(Defined according to ISO 15839.)
Sample Flow Required
200 to 750 mL/minute (3.1 to 11.9 gal/hour)
Power Requirements
100-230 Vac, 50/60 Hz, auto selecting; 40 VA
Recorder Outputs
Two selectable for 0-20 mA or 4-20 mA; output span programmable over any portion of the 0-100 NTU range; built into the sc100 Controller
Alarms
Three set-point alarms, each equipped with an SPDT relay with unpowered contacts rated 5A resistive load at 230 Vac; built into the sc100 Controller
*Subject to change without notice.

Primary Applications
• Drinking Water
• Industrial Water

For more information, call to request Literature #2457, or visit www.hach.com

See pages 79-84 for information on Hach laboratory and portable turbidimeters.