

USEPA Approved Design Turbidimeter



Model 965-10A Bench-top Turbidimeter

Orbeco-Hellige Model 966 Portable and Model 965-10A Bench-top Turbidimeters meet the official specifications of USEPA, ASTM, Standard Methods of APHA, AWWA, WEF and other world recognized authorities. Both are true nephelometers, detecting light from a tungsten filament lamp, at the officially mandated 90° angle between the photo-detector and incident light beam. Direct-reading digital display gives results in NTUs (Nephelometric Turbidity Units) over the full 0-1000 NTU span of turbidity in 3 ranges. Both models meet the design requirements of USEPA Method 180.1 and are ideal for NPDES and NPDWR compliance reporting.

Portable Model 966 and Bench-top Model 965-10A Turbidimeters quickly and precisely measure the clarity or cloudiness of any type of fluid. Both meet the official specifications of USEPA, ASTM, Standard Methods of APHA, AWWA, WEF and other world-recognized authorities. True nephelometers, both test at the officially mandated 90° angle between photo-detector and incident light beam. Both Models are equipped with a tungsten filament lamp. Direct-reading displays give results in NTU's (Nephelometric Turbidity Units) over the full span of turbidity in 3 ranges. Both meet design requirements of USEPA Method 180.1 and are ideal for NPDES and NPDWR compliance reporting. Also can be used to test water for Barium, Sulfate, Nitrate, Silver and Chloride using turbidimetric chemical analysis.



Model 966
Portable Turbidimeter

USEPA Approved Calibration Standard

The supplied 40NTU USEPA approved styrene divinylbenzene copolymer standard easily confirms calibration validity of all 3 ranges as required by the USEPA. Standard is highly accurate, reproducible, safe, non-toxic and non-carcinogenic. No volumetric dilutions are ever required. Standard has a guaranteed shelf life of one year.

Improved for Greater Accuracy

Infrared (IR) Turbidimeters

Meet ISO 7027 Specs



Portable Model 966-IR

New model 966-IR Portable and 965-IR Bench-top Turbidimeters fully meet worldwide ISO 7027 requirements. Using a long life IR (infrared) LED (860nm wavelength), Orbeco-Hellige IR turbidimeters accurately measure turbidity from 0-1000 FNU/NTU over 3 ranges. Readings are unaffected by color thereby making Orbeco IR turbidimeters ideal when testing the turbidity of all liquids, whether clear or colored.

Ideal for colored liquids

Portable Model 966-IR and Bench-top model 965-IR Infrared Turbidimeters are low in cost, highly accurate and simple to use. Both models fully comply with ISO 7027 turbidity measurement standards. Using a long life, constant output infrared LED (860nm wavelength) light source, Orbeco-Hellige IR turbidimeters accurately measure turbidity from 0-1000 FNU/NTU over 3 ranges. Both models detect scattered light by means of a photo-detector positioned 90° from the incident light beam. Supplied with 0 and 40 NTU standards for easy calibration. Automatic shut-off on the Portable Model 966-IR conserves its battery life.

IR Turbidimeters Measure Turbidity in Both Colored and Clear Liquids

Testing turbidity in liquids with color is quick 'n' easy with Orbeco-Hellige IR turbidimeters. Using a constant output, infrared LED light source, Orbeco-Hellige IR turbidimeter readings are unaffected by color. This makes them ideal for measuring turbidity in water and wastewater and to control quality in processing pharmaceuticals, foods and beverages, beer and wine, cosmetics, textiles and a wide range of similar applications.

Important Features of both EPA Approved and IR Models:

- All models measure turbidity in 3 ranges: 0-20, 0-200, and 0-1000 NTU. Resolution is 0.01 NTU in the 0-20 range.
- Improved optics further reduce the amount of stray light effecting the photocell, improving the accuracy of readings, particularly of low turbidity samples.
- Direct-reading digital display. Eliminates incorrectly interpreting analog meter scale divisions.
- Portable models feature auto shut-off. Models operate on 4 AA batteries, supplied, providing over 700 tests. Automatic shut-off conserves battery life. This assures lab accuracy and precision in our "field friendly" turbidimeters. Easily hand held, each weighs just 1 lb. 3 oz. (0.6 kg).
- Simple 2-step operation without the need for standardizing. No prior training is required.
- Easy calibration. Factory standardized calibration of all 3 ranges is easily confirmed as per USEPA requirements using supplied permanent, stable USEPA approved standards.
- Bench-top models switch-adjustable for 110v or 220v operation.
- 2-year instrument warranty with toll-free technical backup.
- Automatic decimal point shift and over-range indication.
- Precision made in U.S.A.



Bench-top
Model 965-IR

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