

Turbidity Meters

Orion AQ4500 Turbidity Meter

All-in one capability, featuring both White and Infrared light sources

Includes a dual source LED to allow readings that comply with reporting requirements for both EPA and ISO 7027 methodologies.

- U.S. EPA approved white light LED method for reporting
- ISO 7027 IR LED method for reporting
- Portable and IP67 waterproof with 100 data-point memory and 2,500 hour average battery life
- Orion AQ4500 Drinking Water and Wastewater Methods approved for U.S. EPA regulatory reporting
- Computer interface for data transfer using RS232 port



The only meter you need for all your turbidity testing.

Orion AQ3010 Turbidity Meter

Faster calibration with step-by-step prompts

Easily determine the clarity of your sample with a user-friendly interface, large display and 0 to 1000 NTU auto-ranging.

- ISO 7027 IR LED method for reporting
- Employs Nephelometric principle of turbidity measurement
- Meets criteria specified in ISO 7027 and DIN 27027 standards
- Portable and IP67 waterproof with long battery life
- Easy vial indexing with continuous measurement mode
- Simple interface and low cost of ownership



Includes a field case with everything you need for easy storage and transport.



AQ4500 Turbidity Meter	Specifications
Incident Light Source	Dual Source - White Light LED and IR LED
Measurement Modes	EPA 180.1, ISO nephelometric, ISO absorbance, IR ratiometric, % transmittance, EPA GLI method 2, EBC (European Brewing Chemists), ASBC (American Society of Brewing Chemists)
Measurement Ranges	0 to 4000 NTU EPA 0 to 2000 NTU GLI range 0 to 40 NTU ISO-7027 0 to 150 FAU IR Ratio 0 to 4000 NTU EBC 0 to 24.5 ASBC 0 to 236
Resolution	0.01 (0 to 9.99 NTU), 0.1 (10 to 99.9), 1 (100 to 4000)
Sample Cell Compatibility	24 mm round
Power	4 AA batteries
Warranty	2 years

AQ3010 Turbidity Meter	Specifications
Incident Light Source	IR LED
Measurement Modes	ISO nephelometric
Measurement Ranges	0.01 to 1000 NTU
Resolution	0.01 (0.01 to 19.99 NTU), 0.1 (20 to 99.9), 1 (100 to 1000)
Sample Cell Compatibility	25 mm round
Power	4 AAA batteries
Warranty	3 years

Cat. No.	Description
AQ4500	AQ4500 meter with 4 AA batteries, primary standard calibration kit, 24 mm turbidity vials, field case, user guide, silicone oil and cloth
AC2T24	Replacement 24 mm turbidity vials, 12 pack
AC45ST	Primary turbidity standard calibration, set of 5
AC45FZ	4000 NTU Formazin turbidity standard, 475 mL
AC45S1	Silicon oil and cloth
AC3CBR	Vial cleaning brush, 5 pack
AC4CBL	RS232 cable for data download and software update

Cat. No.	Description
AQ3010	AQ3010 meter with 4 AAA batteries, EPA approved primary standard kit, 25 mm turbidity vials (7), field case, user guide, silicone oil and cloth
AC3V25	Replacement 25 mm vials, 3 pack
AC301S	EPA approved and ISO accepted polymer-based primary turbidity standard kit, set of 4
AC3SIL	Silicon oil and cloth
AC3CBR	Vial cleaning brush, 5 pack

Visit our online library at www.thermoscientific.com/WAI-Library to review colorimetry and turbidity approvals and our newly approved Orion AQ4500 Drinking Water and Wastewater turbidity methods that are approved for EPA compliant reporting. We have posted application notes and briefs to assist you with testing.