Turbidity meters

Thermo Scientific™ Orion™ AQ4500 Turbidity Meter

All-in one capability, featuring both white and infrared light sources

The AQ4500 Turbidity Meter includes a dual source LED for readings that comply with both EPA 180.1 and ISO 7027 methods.

- Visible (white) LED light meets U.S. EPA 180.1 method requirements

- Infrared (IR) LED light meets ISO 7027 method requirements

- Orion Method AQ4500 for Turbidity meets U.S. EPA regulatory reporting requirements

- Portable and IP67 waterproof with 100 data-point memory and 2,500 hour average battery life

- RS232 interface port

The only meter you need for all your turbidity testing.

Thermo Scientific™ 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.

- Infrared (IR) LED light meets ISO 7027 method and DIN 27027 method requirements

- 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 for easy storage and transport.

Product specifications

AQ4500 Turbidity Meter	Specifications
Incident Light Source	Dual source - white and IR LED lights
Measurement Modes	Nephelometric: EPA 180.1, ISO Absorbance: ISO Radiometric: IR % 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	24mm round cell
Power	4 AA batteries
Warranty	2 years

Ordering information

Cat. No.	Description
AQ4500	AQ4500 Meter with 4 AA batteries, primary standard calibration kit, 24mm turbidity vials, field case, user guide, silicone oil, and cloth
AC2T24	Replacement 24mm turbidity vials, 12/pack
AC45ST	Primary turbidity standard calibration, set of 5
AC45FZ	4000 NTU formazin turbidity standard, 475mL
AC45S1	Silicon oil and cloth
AC3CBR	Vial cleaning brush, 5/pack
AQ4CBL	RS232 cable for data download and software update

Product specifications

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

Ordering information

Cat. No.	Description
AQ3010	AQ3010 Meter with 4 AAA batteries, EPA approved primary standard kit, 25mm turbidity vials, field case, user guide, silicone oil, and cloth
AC3V25	Replacement 25mm 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 **thermofisher.com/wai-library** to review colorimetry and turbidity approvals and our approved Orion AQ4500 turbidity method approved for EPA compliant reporting. Other application notes and briefs are also available to assist you with troubleshooting and testing.

Resources

for electrochemistry and water analysis equipment

Thermo Scientific Orion products

Visit **thermofisher.com/water** for additional information on spectrophotometry, colorimetry, and turbidity products plus laboratory and field equipment for pH, ISE, conductivity, and dissolved oxygen analysis

Water analysis instruments online library

Visit **thermofisher.com/waterqualityresources** to access product literature, user guides and manuals, instruction sheets, and additional support files. Visit **thermofisher.com/sds** for the most up-to-date SDS and C of A documents.

Learn more at **thermofisher.com/opticalwateranalysis**

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