

Thermo Scientific Orion AQ3010

AQUAfast Turbidity Meter

This IP67 waterproof turbidity meter comes with all you need for quick turbidity results.



Thermo Scientific Orion AQUAfast® AQ3010 Turbidity Meter

Perfect for the plant, field or even in a lab, this simple, yet powerful turbidity meter offers impressive features. Autoranging from 0 to 1000 NTUs, the AQ3010 meter generates an accurate turbidity reading in seconds. Results are easy to read and record from the large, bright LCD display in a variety of work environments.

This infrared LED measurement has no temperature effects to change the sample during testing, no maintenance due to a consistent light source, plus better results for colored samples benefits over tungsten meters. Comparison tests for the AQ3010 with other turbidity measurement techniques showed excellent correlation in side-by-side testing in a variety of applications. Visit www.thermo.com/waterapps to read the AQ3010 method notes.

The AQ3010 meter comes complete with four EPA-approved SDVB primary standards, simplifying verification of the meter performance and calibration of the meter. Just one set of standards is required to both calibrate and perform periodic calibration checks.

- Ergonomic IP67 turbidity meter for lab or field use
- Uses Nephelometric principle with 90° detection
- In many locations a separate light cap or shield is not needed
- Meets ISO 7027 and offers consistent light source for greater accuracy
- No mixing or diluting with EPA-approved polymer bead primary standards for faster calibration
- Three year warranty

Markets

- Wastewater
- Food and Beverage
- Aquaculture
- Agriculture
- Drinking Water

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For more information, contact your local Thermo Scientific products dealer or call our customer and technical service experts at 1-800-225-1480 (for the US and Canada) or visit www.thermo.com/water.

Specifications

Display	LCD
Keys	Power, Cal, Scroll Up, Scroll Down, Read/Enter
Automatic Range Selections and Resolution	0.01 to 19.99 NTU with 0.01 NTU resolution
	20.0 to 99.9 NTU with 0.1 NTU resolution
	100 to 1000 NTU with 1 NTU resolution
Precision	+/- 2% of reading
	+/- 1 LSD for 0-500 NTU
	+/- 3% of reading
	+/- 1 LSD for 501-1000 NTU
Response Time	< 6 seconds
Sample Requirement	10 mL
Included Calibration Standards	0.02, 20.0, 100, and 800 NTU
Sample Vials	25 mm diameter with indexing mark
Light Source	IR LED for ISO 7027 turbidity measurement
Power	4 x AAA > 3000 tests and (4 x AAA Lithium > 12000 tests)
Battery Conservation Feature	Auto shutoff after 20 minutes of inactivity
Ambient Operating Temperature	0 to 50 C (0 to 90% non-condensing relative humidity at 30 C)
Self Diagnostics	Yes, with troubleshooting error codes
Waterproof Rating	IP67
Regulatory Approvals	CE, TUV 3-in-1 for CSA-US, FCC part 15
Warranty	3 year

Ordering Information

AQ3010	AQUAfast turbidity meter kit	Meter, set of EPA-approved polymer-based primary turbidity standards, batteries, light shield cover, seven vials, lint-free cloth, silicone oil, MSDS and user guide
AC301S	Replacement set of EPA-approved polymer-based primary turbidity standards	60 mL bottle of 0.02, 20.0, 100, and 800 NTU
AC3SIL	Replacement silicone oil and cloth	1 bottle of silicone oil and one cloth
AC3V25	Replacement 25 mm vials, pack of 3	3 empty 25 mm vials with caps
AC3CBR	Replacement vial cleaning brush	Brush, package of 10

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