

## 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](http://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](http://www.thermo.com/water).

### Specifications

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

### Ordering Information

<b>AQ3010</b>	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
<b>AC301S</b>	Replacement set of EPA-approved polymer-based primary turbidity standards	60 mL bottle of 0.02, 20.0, 100, and 800 NTU
<b>AC3SIL</b>	Replacement silicone oil and cloth	1 bottle of silicone oil and one cloth
<b>AC3V25</b>	Replacement 25 mm vials, pack of 3	3 empty 25 mm vials with caps
<b>AC3CBB</b>	Replacement vial cleaning brush	Brush, package of 10

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S-AQ3010-E 0309 RevA

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