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

# Thermo Scientific Orion AQ3010

**AQUAfast Turbidity Meter** 



#### **Markets**

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



# 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-byside 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 EPAapproved polymer bead primary standards for faster calibration
- Three year warranty



# Thermo Scientific Orion AQUAfast® AQ3010 Turbidity Meter

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**

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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	$4 \times AAA > 3000 \text{ tests}$ and $(4 \times AAA \text{ Lithium} > 12000 \text{ tests})$	
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	

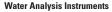
## **Ordering Information**

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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S-AQ3010-E 0309 RevA



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