

Simple operation, accuracy and reproducibility using EPA-approved AC4P71 Free Chlorine and AC4P72 Total Chlorine Methods for Drinking Water and Wastewater reporting.

Thermo Scientific Orion AQ3070 AQUAfast Chlorine Meter



Markets

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

Thermo Scientific Orion AQUAfast AQ3070 Chlorine Meter

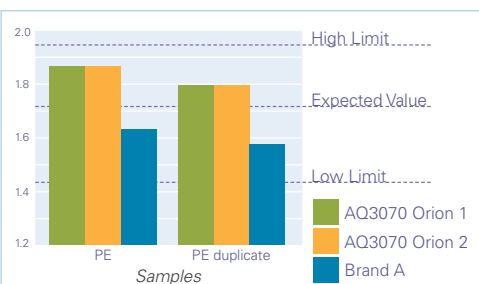
The new Orion AQUAfast AQ3070 chlorine meter kit features quick and easy free and total chlorine testing for EPA reporting over the range of 0-2 mg/L. This meter can measure up to 4.0 mg/L level - with the same reagents! The expanded range for free and total chlorine measurements gives you a real number if you are out of the EPA measurement range to quickly recover your process.

Designed with the user in mind, these small, rugged IP67 portable meters have a large easy-to-read display with a very simple user interface using 4 keys. The results are accurate and highly reproducible. Save time when measuring by not having to cover and uncover the vial for each measurement in most light conditions.

The AQ3070 meter is supplied in a field carrying case along with test vials, a vial cleaning brush, stir rod and 100 each of Orion AQUAfast AC4P71 Free and AC4P72 Total Chlorine powder reagent packets. The meter carries a cTUVus to EMC, US and Canadian standards certification plus a two year warranty!

Features

- Uses EPA-approved AC4P71 Free Chlorine and AC4P72 Total Chlorine Methods for Drinking Water and Wastewater reporting
- Easy-to-use meter with large display
- Accurate, reproducible results
- Meter also contains calibration curves for Chlorine Dioxide, pH and Cyanuric Acid (reagents sold separately)



Comparison Orion AQ3070 to Brand A Colorimeter - Commercially Available Wastewater QC Sample

Thermo Scientific Orion AQ3070 AQUAfast Chlorine 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.

Meter Specifications

Measurement Method	Photometric
Light Source	Light Emitting Diode (LED)
Wavelength	525 nm
Detector	Silicon photodiode
Absorbance Range	0 to 2.5 Abs
Calibration Points	Not required if desired; 1 point per method
Display	Customized crystal display (LCD) with icons
Sample Cells	Glass screw cap vials with fill line and indexing mark, 25 mm (diameter)
Sample Size	10 mL (0.33 oz)
Operating and Sample Temperature Range	0 to 50 °C (32 to 122 °F)
Operating Humidity Range	0 to 90% relative humidity, non-condensing at 30 °C (86 °F)
Power Supply	4 AAA alkaline batteries
Battery Life	> 3000 tests
Regulatory Certification	CE, cTUVus, (TUV 3-in-1 to EMC, US and Canadian standards)
Enclosure Rating	IP67 (TUV)
Weight and Dimensions	Meter kit in carrying case: 2.0 kg (4.4 lb) Carrying case: 25 cm (width) x 34 cm (length) x 15 cm (height), (10.5 in x 14 in x 6 in)

Ordering Information

AQ3070	Orion AQ3070 colorimeter kit, includes meter, 4 sample vials, AC4P71 free chlorine reagent, AC4P72 total chlorine reagent, batteries, vial cleaning brush, tablet tamping stir rod, carrying case, user guide and MSDSs
AC4P71	Free chlorine reagent powder packs (100 tests)
AC4P72	Total chlorine reagent powder packs (100 tests)
AC2098	Cyanuric acid reagent tablets (100 tests)

Measurement Parameter Specifications

Chlorine Free and Total	
Range	0.02 to 4.0 mg/L US EPA range 0.03 to 2.0 mg/L
Resolution	0.01 mg/L (0.02 to 1.99 mg/L) 0.1 mg/L (2.0 to 4.0 mg/L)
Accuracy	± 0.02 mg/L (0.02 to 0.5 mg/L) ± 0.2 mg/L (0.6 to 4.0 mg/L)
Cyanuric Acid	
Range (Resolution)	5 to 90 mg/L (1 mg/L)
Accuracy	± 4 mg/L
pH	
Range (Resolution)	5.9 to 8.2 pH (0.1 pH)
Accuracy	± 0.1 pH
Chlorine Dioxide	
Range	0 to 9.0 mg/L
Resolution	0.01 mg/L (0 to 4.6 mg/L) 0.1 mg/L (4.7 to 9.0 mg/L)
Accuracy	± 0.10 mg/L (0 to 4.0 mg/L) ± 0.3 mg/L (4.1 to 9.0 mg/L)

©2009 Thermo Fisher Scientific Inc. All rights reserved.
All trademarks are the property of Thermo Fisher Scientific Inc. and its subsidiaries.



S-AQ3070_E_0909_RevA

Water Analysis Instruments

North America
166 Cummings Center
Beverly, MA 01915 USA
Toll Free: 1-800-225-1480
Tel: 1-978-232-6000
Dom. Fax: 1-978-232-6015
Int'l Fax: 978-232-6031

Europe
P.O. Box 254, 3860 AG Nijkerk
Wallerstraat 125K, 3862 CN
Nijkerk, Netherlands
Tel: (31) 033-2463887
Fax: (31) 033-2460832

Asia Pacific
Blk 55, Ayer Rajah Crescent
#04-16/24, Singapore 139949
Tel: 65-6778-6876
Fax: 65-6773-0836

www.thermo.com/water

Thermo
SCIENTIFIC