

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

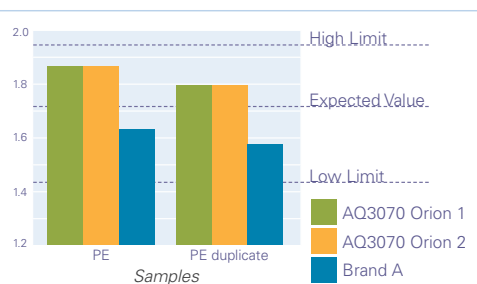
The new Orion AQUAfast AQ3070 chlorine meter kit features quick and easy free and total chlorine testing for EPA reporting over the range of 0-2 mg/L. This meter can measure up to 4.0 mg/L level - with the same reagents! The expanded range for free and total chlorine measurements gives you a real number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

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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).

### Meter Specifications

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

<b>AQ3070</b>	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
<b>AC4P71</b>	Free chlorine reagent powder packs (100 tests)
<b>AC4P72</b>	Total chlorine reagent powder packs (100 tests)
<b>AC2098</b>	Cyanuric acid reagent tablets (100 tests)

### Measurement Parameter Specifications

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

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