



Waterproof

Portable Colorimeter



Waterproof Portable C401 Colorimeter

Measures Free Chlorine, Total Chlorine, Cyanuric Acid and pH



- Excellent repeatability
- USEPA-approved DPD method
- Only one-vial-one-sachet per test
- Auto-ranging
- One-time blanking
- Laboratory accuracy
- No calibration needed
- No detachable parts and no light shield required
- IP67 waterproof
- More than 3000 tests with one set of batteries



- 1 Large custom-made display
- 2 Rugged carrying case
- 3 Keypad with tactile feedback
- 4 Waterproof housing

EUTECH PORTABLE C401 COLORIMETER is the latest laboratory grade microprocessor-based meter for the measurement of Free Chlorine, Total Chlorine, Cyanuric Acid and pH. Designed to deliver quick, accurate and repeatable results, the meter comes with large custom-made LCD and user-friendly self-diagnostic warning messages. Meters are supplied with reagents and sample vials in rugged carrying cases for swift testing on the go. Be it for swimming pools, spas, industrial wastewater, municipal treated water monitoring, paper and pulp mills or water conditioning control, you can select from the C401, C301, C201, C101 or C102 models.

EXCELLENT REPEATABILITY, AUTO-RANGING AND EASY TO USE _____
The meter ensures excellent repeatability and has auto-ranging capabilities while using only one-vial-one-sachet per test.

HIGH QUALITY REAGENTS _____
The custom-formulated reagents provide excellent accuracy, repeatability and stability. They are conveniently packed for ease of use.

USEPA-APPROVED DPD METHOD* _____
Chlorine measurements are based on the USEPA-approved DPD method*.

ADVANCED POWER MANAGEMENT _____
The meter is capable of measuring more than 3,000 tests using a single set of 4 'AAA' alkaline batteries. Auto power-off activates after 10 minutes of non-use to conserve battery life.

FUSS-FREE METER OPERATION _____
The meter is designed for easy operation. It allows one-time blanking for all parameters and ranges when measuring the same sample. The blanking value is stored in memory even if batteries are replaced. Furthermore, no calibration is needed for Chlorine and Cyanuric Acid. Most importantly, the meter is maintenance-free.

LARGE EASY-TO-READ DISPLAY _____
The large screen features 4-digit 14-segment customized liquid crystal display (LCD) with mode indicators to guide meter use.

IP67 WATERPROOF AND LIGHTWEIGHT _____
The lightweight meter has a waterproof IP67-rated housing. It even floats when accidentally dropped in water.

APPLICATIONS _____
Swimming Pools • Spas • Drinking Water • Public Utilities • Wastewater

WARRANTY _____
Eutech Instruments supplies this meter with a 2-year warranty against manufacturing defects.

*Procedure is equivalent to USEPA method 330.5 for wastewater and Standard Method 4500-Cl G for drinking water.

Meter Specifications

Measurement Method	Photometric
Light Source	Light Emitting Diode (LED)
Wavelength	525 nm
Detector	Silicon photodiode
Absorbance Range	0 – 2.5 Abs
Photometric Precision	±0.0015 Abs
Automatic Range Selection	0 – 1.99 ppm (Free & Total Chlorine) 2.0 – 6.0 ppm (Free & Total Chlorine) 5 – 90 ppm (Cyanuric Acid) 5.9 – 8.2 pH
Resolution	0.01 ppm (Free & Total Chlorine) 0.1 ppm (Free & Total Chlorine) 1 ppm (Cyanuric Acid) 0.1 pH
Accuracy	±0.02 ppm (Free & Total Chlorine) ±0.2 ppm (Free & Total Chlorine) ±4 ppm; (Cyanuric Acid) ±0.1 pH
Calibration Points	User selectable; 1 point per colorimetric test
Display	4-digit 14-segments customized liquid crystal display with annunciators
Sample Cells	Borosilicate glass with screw caps, fill line and indexing mark Height x Diameter : 51 x 25 mm
Sample Volume Required	10 ml
Operating Temperature Range	0 – 50°C
Operating Humidity Range	0-90% RH non-condensing at 30°C
Power Supply	4 'AAA' alkaline batteries
Battery Life	> 3000 tests
Electromagnetic Compliance (EMC)	EN 61326
Weight	Instrument : 200g Complete carrying case : 1.25kg
Dimensions	Instrument : 6.8(W) x 15.5(L) x 4.6(H) cm Carrying case : 16(W) x 35(L) x 12(H) cm

ORDERING INFORMATION

Code No.	Description
EC-C401	Free Chlorine, Total Chlorine, Cyanuric Acid & pH Colorimeter Kit Set
EC-C301	Free Chlorine, Total Chlorine & pH Colorimeter Kit Set
EC-C201	Free Chlorine & Total Chlorine Colorimeter Kit Set
EC-C102	Cyanuric Acid Colorimeter Kit Set
EC-C101	pH Colorimeter Kit Set
ECTN100CUVKT	Sample Vials - Pack of 3 Vials
94X377004	pH Indicator (Phenol Red) Reagent Kit, Bottle each
94X377003	Cyanuric Acid Reagent Kit, Pack of 100 pouches
94X377002	Chlorine, Total (DPD) Reagent Kit, Pack of 100 pouches
94X377001	Chlorine, Free (DPD) Reagent Kit, Pack of 100 pouches

* Kit set comprises reagents, sample vials in rugged carrying case.

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