



SMART2 Colorimeter

Portable Colorimeter for measuring a wide variety of samples.



- Simple Menu Driven Display
- Pre-Programmed Tests, User Tests
- Automatic Wavelength Selection
- Self Diagnostics

Specifications

Instrument Type: Colorimeter
Readout: Graphical 4 line, 16 character per line LCD
Keypad: 6-button membrane switch
Wavelengths: 430nm, 520 nm, 570 nm, and 620 nm
Wavelength Accuracy: ± 2 nm
Readable Resolution: Determined by reagent system
Wavelength Bandwidth: 10 typical
Photometric Range: -2 to 2 Absorbance Units (AU)
Photometric Resolution: 1% FS
Photometric Accuracy: 2% FS
Sample Chamber: Accepts 25 mm diameter flat-bottomed test tubes, 10 mm square cuvettes, 16 mm COD test tubes
Light Sources: 4 LEDs
Detectors: 4 silicon photodiodes with integrated interference filters
Modes: Absorbance, pre-programmed tests
Pre-Programmed Tests: YES, with automatic wavelength selection
User Defined Tests: Up to 10 user tests can be input
Data Logger: 350 test results stored for download to a PC
RS232 Port: 8 pin mini-DIN
Power: 9 volt alkaline or AC adapter
Line Operation: 110V AC/ 50/60 Hz with adapter, 6V 500 mA DC
Dimensions: (LxWxH) 8.5 x 16.2 x 16.7 cm, 3.4 x 6.4 x 2.6 inches
Weight: 312 g, 11 oz (colorimeter only)

Options and Accessories

SMART2 Colorimeter (120V/60Hz)
Includes 4 sample tubes and AC adapter.

SMART2-EX2 Colorimeter (230V/50Hz)

DL1960 Large Field Carrying Case
DL2001 SMARTLink 2 Software (CD)

Instrument Reagent Tests

Alkalinity UDV
Copper UDV
Iodine
Ozone LR
Sulfide LR

Please see our website, WWW.GLOBALW.COM, for more reagent tests.

Description

The SMART2 Colorimeter is a user-friendly portable colorimeter that is an ideal direct reading colorimeter for complete on site water analyses. All pre-programmed tests can be run on the compact colorimeter and each test features automatic wavelength selection the entire multi-LED optical system is embedded in the light chambers and optimized for the test reagent systems. You can simply select the test and put in the sample with reagent. The colorimeter's microprocessor, which selects the wavelength, also allows you to load up to 10 tests for analyzing custom reagent systems.

The SMART2 Colorimeter uses a simple menu driven display to show the user the over 70 pre-programmed tests on the 4 line LCD screen. The colorimeter is also able to display diagnostic error messages such as over/under range and messages regarding the blank sample. The colorimeter has an integral datalogger that can be accessed via the SMARTLink 2 software and the RS232 port built into the colorimeter's housing. An optional carrying case is available for the colorimeter.

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