



# 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:*  $\pm 2$  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:* 110/ 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)

## 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.

## 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

Contact  
Global Water  
for all your  
instrumentation  
needs:

Water Level

Water Flow

Water Samplers

Water Quality

Weather

Remote Monitoring

Control

## Regional Distributor



**Global Water**

*The Leader in Water Instrumentation*

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