



## LaMotte SMART2 Colorimeter Specifications

A colorimeter truly designed for the analyst measuring a variety of water quality parameters. Proper wavelength selection is no longer a concern for the analyst because all optical filters are included and automatically selected by the SMART Colorimeter<sup>®</sup>.

This portable photometer has the following features:

- Simple, menu-driven operation
- 65 test capacity; 40 pre-programmed tests in library and 25 user-entered tests
- Alphabetical test selection
- User-selected test sequences
- Self diagnostics with error/warning messages
- Instant readiness without delays; achieved by active stabilization of lamp intensity
- Auto-blank
- Auto-off
- European CE mark

### Filter Wheel

A six wavelength filter wheel and motor automatically prepare the optical system for all tests.

### Menu Driven Display

Tests and functions are selected from scrolling menus for ultimate simplicity. Results are displayed in concentration (ppm), %T, or absorbance.

### User Calibrations & Test Sequences

Up to 25 calibrations for additional tests can be entered into the memory to display results as concentration (ppm). The user can also customize sequences for frequently run tests.

### RS-232 & AC Power Ports

An RS-232 port is installed for computer interfacing. So that power is never a problem, an AC adapter and rechargeable NiCd batteries are included; an optional vehicle cigarette lighter adapter is available.

The user may select any of six wavelengths to determine the absorbance or %T of a sample at the desired wavelength.

Additional Advancements Include:

- Superior narrow band-width interference filters
- New Super Twist LCD display for improved readability
- RS-232 interface
- Optional computer cable and software for data storage and manipulation
- Rechargeable NiCd batteries and AC adapter included

**Specifications**

Range:	Transmittance: 0-100%, Absorbance: 0-2.0 AU
Resolution:	1% of %T reading
Filters:	420, 460, 510, 530, 570, 605 nm
Bandpass:	10 nm (typical)
Light Source:	Tungsten lamp
Detector:	Silicon photodiode
Display:	LCD 4 lines by 16 characters
Sample System:	21 mm flat bottom round tubes with screw caps
Output:	RS-232
Baud Rate:	9600 b
Power:	AC adapter or 3 AA rechargeable NiCd batteries
Dimensions:	27 x 9 x 12.7 cm (10.3 x 3.6 x 5.0 inches)
Power:	Lithium ion rechargeable battery, 3.7v, 2.5 x .75 inches, 1.7 oz. or USB computer cable or wall adapter
Weight:	900 g (2 lbs.)