Robust outdoor handheld Colorimeter

DR 900 Robust portable datalogging colorimeter

Order number: 9385200

Portable and robust, micro-processor-controlled colorimeter with power-saving LED technology. Pre-programmed with 90 HACH Methods.

- Rugged construction
- Designed for use in the field
- Easy to use
- Reliable results without a main connection
- Configured for immediate use

The handheld colorimeter saves time in the field by allowing quick and easy access to the most used testing methods in less than four clicks. This colorimeter is waterproof, dustproof, shock resistant, and has been drop tested for greater quality assurance.

This instrument comes with an intuitive user interface, a large data store and a built-in USB port for easy transferring of information. The handheld colorimeter also helps satisfy core testing needs by offering at least 90 of the most common testing methods.

Combining all of these features with a push button backlit display for use in low light areas, you have a handheld colorimeter which is field ready in every possible way, and makes testing in harsh field environments a little less challenging.

Technical Specifications

Battery life	6 months (typical) at 5 readings a day / 5 day week without backlight (backlight usage will decrease battery life)
Battery requirements	4 AA size batteries
Cuvette compatibility	1 inch round / 16 mm round (with adapter)
Detector	Silicon photodiode
Dimensions Metric (H x W X D)	231 mm x 96 mm x 48 mm
Display	Graphical display 240 x 160 pixel (Backlit)
Enclosure waterproof rating	IP67
Environmental conditions: relative humidity	max. 90 % relative humidity (non-condensing)

Includes	DR 900 Colorimeter, two 1-inch glass sample cells marked at 10, 20 and 25 mL, two 1 cm plastic sample cells, 1 x 16-mm COD/TEST'N'TUBE adapter, 4 AA alkaline batteries, instrument manual multilingual printed, instrument and procedure manuals on CD; USB Mini to USB cable, European CE mark.
Interface	USB type Mini IP67
Manual languages	English, French, German, Italian, Spanish, Portuguese, Bulgarian, Chinese, Czech, Danish, Dutch, Finnish, Greek, Hungarian, Japanese, Korean, Polish, Romanian, Russian, Slovenian, Swedish, Turkish
Operating conditions	10 - 40 °C (50 - 104 °F), max. 80 % relative humidity (non- condensing)
Operating mode	Transmittance (%), Absorbance and Concentration
Optical system	0 / 180 ° transmittance
Photometric accuracy	± 0.005 Abs @1.0 ABS Nominal
Photometric linearity	± 0.002 Abs (0 - 1 Abs)
Photometric measuring range	0 - 2 Abs
Reproducibility	± 0.005 Abs (0 - 1 A)
Source lamp	Light Emitting Diode (LED)
Spectral bandwidth	15 nm filter bandwidth
Storage conditions	-30 - 60 °C (-30 - 140 °F), max. 80 % relative humidity (non-condensing)
Stray light	< 1.0 % at 400 nm
Supported chemistry	HACH tests
Temperature range	0 - 50 °C
User interface	English, French, German, Italian, Spanish, Portuguese, Bulgarian, Chinese, Czech, Danish, Dutch, Finnish, Greek, Hungarian, Japanese, Korean, Polish, Romanian, Russian, Slovenian, Swedish, Turkish
User programmes	10
Wavelength accuracy	± 1 nm
Wavelength range	420, 520, 560, 610 nm
Wavelength selection	Automatic
Weight	0.6 kg with battery

Subject to change without notice.