

COLOROMAT 100

Automatic Colorimeter



Features

- Digital Single Beam Photometer Determination Of Liquid Color
- Standard Wavelengths Of 340nm, 420nm, & 720nm
- Six Optional Wavelengths Available From 340nm to 900nm
- Automatic Wavelength Setting
- Compatible With Polarimeter Sample Cells & Cuvettes
- Large Touch-Screen LCD Display With Full Menu Prompts & User Profiles

SCHMIDT + HAENSCH

Opto-Electronic Measuring Instruments Since 1864

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COLOROMAT 100 Automatic Colorimeter

The newly-designed S+H COLOROMAT 100 allows simple measurement of transmission, extinction, and color units at the recommended wavelengths in the range of 340 to 900nm. The touch display is used for soft key functions and alphanumeric input to enable easy handling for sample name, user, etc. The measuring wavelengths are selected via the touch display. Three standard wavelengths (340nm, 420nm, & 720nm) are included with the option of six additional custom wavelengths in the 340 to 900nm range. This opens up many possible applications.

The large sample chamber allows the use of standard polarimeter sample cells (up to 100mm) and cuvettes (with the use of the included adapter). Due to its unique optical design, measurements made with the COLOROMAT 100 are entirely unaffected by stray light.

The COLOROMAT 100 is also equipped with a continuous measuring mode which allows monitoring of color changes in product streams as a function of time.

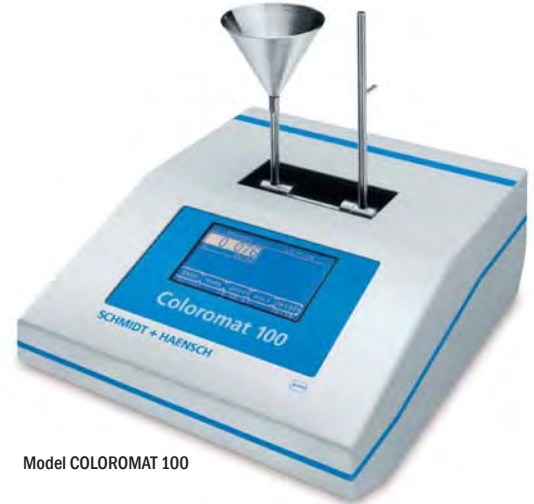
The operating system can receive flash updates via online or CD. The built-in memory stores 250 pre-programmed tests with the option of an additional 230 custom tests. Importation of data is conducted via the touch display. In addition, 2970 results of up to 99 samples can be stored in the local memory.

Schmidt +Haensch has been manufacturing precision opto-electronic instruments since 1864. All S+H instruments are manufactured in Germany.

Go with a name you can trust for the highest level in analytical instrumentation...choose Schmidt+Haensch.

Technical Specifications

COLOROMAT 100	
Cat. No.	47005
Optics:	Single Beam Photometer
Measuring Range	Extinction: ICUMSA: 0 - 16,000 IU
Resolution	Extinction: ICUMSA: 0.0001 1 IU
Accuracy	Extinction (340nm): ±0.010 Extinction (420nm): ±0.020 Extinction (720nm): ±0.010 Extinction (Optional): ±0.0200 ICUMSA (<20 IU): ±10% ICUMSA (>20 IU): ±5%
Wavelength Range:	340 to 900nm
Standard Wavelengths:	340nm, 420nm, & 720nm
Optional Wavelengths:	6
Wavelength Selection:	Via Touch Screen
Measuring Light Source:	Halogen, 12V/20W
Ambient Temperature:	+10 to +40°C
Flow Through Measurement:	Yes
Sample Quantity (Cuvette):	>5.0mL
Sample Quantity (Flow Through):	>35.0mL
Zero Calibration Liquid:	Distilled Water
Calibration History:	Yes
Display:	LCD
Keypad:	Touch Screen
Password Protection:	Yes
Languages:	English & German (Indonesian, Russian, Spanish -- Optional)
Printer Interface:	Centronics (Parallel)
Computer Port:	RS-232C
USB Port:	Optional
Programmable Scales:	230
Power Requirements:	90-240V AC, 50/60Hz
Power Supply:	5V DC
Dimensions	290 x 220 x 120mm
Weight	3.0kg
Manufactured In:	Germany



Model COLOROMAT 100



Touch-Screen LCD Display

Applications...

Color Measurement Of Liquid Crystal Sugar (ICUMSA) • Color Index Determination Of Soft Drinks & Wine • Determination Of The Color Of Extracts (i.e. Coffee) • Color Index Determination Via Alpha Number • Color Measurement Of Beer And Wort • Bichromate Measurements • Multi Standard Measurements • Simple Extinction Measurements • Multi Standard Measurements • Color Change Monitoring As A Function Of Time • Enzymatic Determination

Markets...

Food • Beverage • Sugar • Clinical • Medical • Pharmaceutical • Cosmetic • Chemical • Petrochemical

Please refer to our additional brochures for the following:

S+H AR12 Abbe Refractometer
S+H ATR-ST Series Automatic Polarimeters
S+H ATR-SW Series Automatic Refractometers
S+H ATR-W1 Series Automatic Refractometers
S+H ATR-W2 Series Automatic Refractometers
S+H DSR-λ Automatic Multiple Wavelength Refractometer
S+H iPR-Series Process Refractometers
S+H VISPOL Series Manual Polarimeters
S+H UniPol L-Series Automatic Polarimeters
S+H POLARTRONIC M-Series Automatic Polarimeters
S+H POLARTRONIC Model H532 Automatic Polarimeter
S+H SACCHAROMAT Automatic Saccharimeters
S+H Purity Analyzers
S+H AutoFilt Semi-Automatic Pressure Filtration System
S+H Sample Cells & Quartz Control Plates
S+H Saccharoflex 2000 Automatic Colorimeter

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