

SACCHAROFLEX 2000

Automatic Colorimeter



Features

- Digital Reflectance Color Determination Of Crystal Sugar
- ICUMSA GS2-11 & GS2-13 Standards
- Simple Calibration w/ Braunschweig Color Standards
- Exceptionally Rugged Design Suitable For All Sugar Labs
- Large LCD Display With Full Menu Prompts & User Profiles

SCHMIDT + HAENSCH

Opto-Electronic Measuring Instruments Since 1864

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SACCHAROFLEX 2000 Automatic Colorimeter

The S+H SACCHAROFLEX 2000 is a highly-accurate electronic reflectance meter for the automatic color grading of crystal sugar based on the ICUMSA methods GS2-11 (1994) & GS2-13 (1994).

This instrument measures the reflectance factors at 495nm and 620nm and calculates the corresponding ICUMSA color type units (CTU). Measurements are based on Taylor's law and an integrated sphere. To decrease measurement instabilities caused by inhomogeneity of samples, large sample surfaces are used.

For calibration, Braunschweig color type 0 + 6 standards are all that are necessary. The S+H SACCHAROFLEX 2000 can conduct readings up to 19.99 CTU. All measurements are displayed on the large LCD display and settings are controlled via the 4-button keypad.

The adjustable working voltage provides a high service life of the illumination unit which affords long lamp working life. In addition, the halogen lamp is controlled by a power saving switch which prevents the SACCHAROFLEX 2000 from heating up to allow continuous operation without any problems.

The use of highly-integrated circuits with energy efficiency and easily replaceable consumable parts ensure the user of an exceptionally reliable and easily maintainable measurement system of crystal sugar.

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

SACCHAROFLEX 2000	
Cat. No.	47101
Optics:	Electronic Reflectance
Measuring Range:	0.00 - 19.99 CTU
Resolution:	0.01 CTU
Accuracy:	±0.01 CTU
Optical Wavelengths:	495nm & 620nm
Measuring Light Source:	Halogen, 6V/10W
Ambient Temperature:	+10 to +40 °C
Sample Chamber:	Round Table
Calibration Standards:	0 & 6 CTU
Calibration History:	Yes
Display:	LCD
Keypad:	4-Key
Languages:	English & German
Printer Interface:	Centronics (Parallel)
Computer Port:	RS-232C
Power Requirements:	90-240V AC, 50/60Hz
Power Supply:	5V DC
Dimensions	220 x 260 x 480mm
Weight	9.0kg
Manufactured In:	Germany



Model SACCHAROFLEX 2000

Applications...

Color Measurement Of Solid Crystal Sugar (ICUMSA)

Markets...

Food ● Beverage ● Sugar

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 Coloromat 100 Automatic Colorimeter

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