

L LABORATORY

P PROCESS

S SOFTWARE

A AUTOMATION



**SCHMIDT
HAENSCH**
innovators by tradition since 1864

Saccharoflex 2020

Reflectance Colorimeter

For easy determination of ICUMSA color type of crystal sugar



SPECIFICATIONS

Saccharoflex 2020

| | |
|------------------|--|
| Measuring scales | Color grading of white crystal sugar acc. ICUMSA |
| Measuring range | 0 to 19.99 color units (CU) or derivative range |
| Resolution | 0.01 (CU) |
| Precision | ± 0.15 (CU) |
| Reproducibility | ± 0.15 (CU) |
| Wavelengths | 495 and 620 nm, tolerance 1%, mean waveband 20 nm |
| Measuring time | ≤ 1 sec |
| Calibration | Standards "0" to "6" of the Brunswick color type or ceramic standard |
| Light source | Tungsten halogen lamp 12 V, 20 W, base G4 |
| Display | LCD, one line, 16 characters, back illuminated |
| Conformity | ICUMSA method GS 2-13 (1998) |
| Interfaces | RS 232 C |
| Dimensions | 220 x 260 x 480 mm (w x d x h) |
| Weight | approx. 8,3 kg |

Highlights

Precise and fast color type indication of white sugar crystals; reflectance factors at 495 and 620 nm are measured; measurement is done by use of the proven Taylor's law and an integrated sphere; great sample surface guarantees reliable measuring results; the instrument allows to measure also brown sugars due to the up to 19.99 CU extended measuring range; easy calibration by Brunswick color standards or longtime stable ceramic standards; the adjustable working voltage provides a high service life of the lighting unit

Reflectance-meter applications

The reflectance-metering is an analytical method for non-destructive determination of the color grading of white crystal sugar.

Applications often used

- Determination of the color grading
- Quality control
- Scientific analysis

Typical applications of the model

- Sugar industry: For automatic color grading of white crystal sugars acc. to ICUMSA



**SCHMIDT
HAENSCH**
innovators by tradition since 1864

Schmidt + Haensch GmbH & Co.

Waldstraße 80-81, 13403 Berlin, Germany
Phone: + 49 (0 30) 417072-0, Fax: + 49 (0 30) 417072-99
sales@schmidt-haensch.de, www.schmidt-haensch.com



ISO 9001:2008