

ColorScout AX



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Non-new

The ColorScout AX is a fast, accurate, automatic sampling measuring XY spectrometer based on air cushion with air-cooled, high-performance optical head.

This air cushion technology ensures smooth, protective treatment of the test forms. Furthermore, the continuous flow of air cleans the test form of light dust.

The sampling time for a IT8.7/3-Testform with 928 color fields is approximately 4.5 minutes. The test form ECI2002 1485 Swatches about 7 minutes are required. The test form size can be up to A3 +.

Technical data of ColorScout AX

Measuring times:

- * IT8.7 / 3 target about 4.5 minutes for 928 color fields
- * ECI 2002 target approximately 7.0 minutes for 1485 Swatches

Technical data of the XY stage unit

- * Maximum usable area 440 mm x 360 mm
- * Data interface RS232 / USB adapter
- * Power supply 100-240 V, 50/60 Hz
- * Dimensions 700 mm x 500 mm x 170 mm
- * Weight 17 kg

Technical data of the spectrometer unit

- * Spectral engine monolithic spectrometer unit with a focusing grating Echelette
- * Quarzglasfasereinkopplung of light, no moving parts
- * Spectral range 380 nm to 780 nm
- * Optical resolution of 9 nm
- * Tracking resolution 3.5 nm (corresponding to 115 sections)
- * Modes remission
- * Measuring geometry 45/0 ° optic ring according to DIN
- * Orifice Diameter 3.5 mm
- * Light source Tungsten gas-filled, type A

Measuring time:

- * Remission <0.1 s (<0.3 s, including positioning)
- * Measuring range DIN 16536 Density: D from 0.0 to 2.5
- * Instrument agreement typically 0.4 dE
- * Linearity ± 0.01 D
- * Short-term reproducibility of ± 0.03 dE over 10 measurements on white
- * Density Reproduzierbarkeit ± 0.01 D

Measurement parameters

- * White base absolute, relative
- * Illuminants for colorimetry A, B, C, D, D50, D55, D65, D75, D93, G, P, Xe, F1 .. F12
- * Observer angle 2 °, 10 °
- * Enormous sealing DIN 16536, DIN 16536NB, ANSI Status A, ANSI Status T, Status E ANSI, ANSI Status M, ANSI Status I
- * Colour metrics CIE-XYZ, CIE Lab, CIE xyY, CIE-Luv

Included software (for Windows 95/98, NT 4.0, 2000 or later)

Densitometry density, L * a * b *, dE *, XYZ, xyY, adjustment of slope and Yule-Nielsen factor

Support for automatic detection of IT8.7/3-Charts, ECI2002 charts and other

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