

Spectrophotometer Kit



QEA's portable spectrophotometer color measurement toolkit is a powerful option now available for your Personal Image Analysis System. This hardware/software interface unites the capabilities of the Personal IAS[®] and the Xrite/Gretag MacBeth spectrolino spectrophotometer for color analysis across the visible spectrum, CIE colorimetric data analysis for 2° and 10° standard observers and optical and color density measurements. Results are displayed on the Personal IAS[®] read-out. The kit includes an RS-232 interface to connect your Personal IAS to the spectrophotometer. The toolkit is lightweight, fast and easy to use.

Specifications

Software Features

CIE colorimetric data

Illuminants: A, C, D65, D50, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12
Observer Angles: 2° and 10°
Color Difference: CIE 1976, CIE1994 (Graphic Arts), CIE 1994 (Textiles), CIE 2000 (1:1:1), CMC (1:1), CMC (2:1)
Color gamut
CIE-XYZ
Reflectance spectrum

Graphical Display

Reflectance spectrum
a*-b* projection
Color gamut polygon

Density data

Color Density Standards: DIN 16536, DIN 16536 NB, ANSI STATUS A, ANSI STATUS T
Optical Density

Interface Module

Power: 10-24 volts DC
Weight: 9 ounces
Size: 5.7" (L) × 3.7" (W) × 1.3" (H)
Batteries: (2) 9V

Interface: RS-232 between spectrophotometer and Personal IAS[®]

Hardware Requirements

(Supplied by customer or available from QEA)

QEA Personal IAS[®] Image Analysis System
Xrite/Gretag MacBeth spectrolino spectrophotometer

Kit Components (typical)

Interface hardware module (connects Personal IAS[®] and spectrolino)
Interface software module
User guide
Cable



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