SPECTRO LAB II

** code 3393B **

Benchtop spectrophotometer with built-in spherical optical measuring system. Very reliable and precise, this instrument is recommended for colour instrumental measurement/ analysis on textile products.

Thanks to the **QC Quality Control software** for colour quality control - supplied with the instrument - it is possible to quickly and objectively compare and analyse / evaluate the colours obtained in comparison to the “reference colour”, so as to improve the products quality control procedure.
Suitable for the measurement of Whitness (Rd) and Yellowness (+b), important parameters for testing cotton fibers.

The optional **Recipe Textile Formulation software,** code 3393A.12 - available on demand - is a specific software conceived for the dyeing recipes management.
This software allows the automatic management of the dyeing recipes, as well as the management of the colour corrections, increasing – as a result - the instrument versatility in the dyeing process.

Features

- QC Quality Control software for colour quality control.
- 60º Correlated gloss value.
- Membrane LED providing status and operation feedback.
- Sample holder arm.
- Simultaneous SCI/SCE measurements within 2 seconds.
- Vertical and horizontal positioning.

Accessories provided

- Calibration standards: Black trap, White & Green standards.
- Operation manual.
- AC adapter.
- USB cable.

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TECHNICAL FEATURES	
Measuring Geometrics	d/8°, DRS spectral engine, Simultaneous SPIN / SPEX
Optical Aperture	8 mm measurement area, 14 mm target window
Light Source	Gas-filled tungsten lamp.
Receiver	Blue-enhanced silicon photodiodes
Spectral Range	400 – 700 nm
Spectral Interval	10 nm – measured 10 nm – output
Measurement Range	0 to 200% reflectance
Inter-Instrument Agreement	CIE L*a*b*: Avg. 0.20 ΔE*ab based on avg. of 12 BCRA Series II tiles (specular component included) Max. 0.40 ΔE*ab on any tile (specular component included)
Short-Term Repeatability	0.05 ΔE*ab on white ceramic
Measuring Time	Approx. 2 seconds
Lamp Life	Approx. 500,000 measurements
Power Supply	AC Adapter Requirements 90 –130VAC or 100 – 240VAC, 50 – 60Hz, 15W max
Data Interface	USB
Operating Temperature Range	50° to 104°F (10° to 40°C) 85% relative humidity maximum (non-condensing)
Storage Temperature Range	-4° to 122°F (-20° to 50°C)
Software Provided	Basic Quality Control software, QC Basic.
Accessories Provided	Calibration standards: Black trap, White & green standards, Operations manual, AC adapter, USB cable.
Dimensions	8.7”H (22.0 cm) x 7.5”W (19.0 cm) x 10.4”L (26.4 cm)
Weight	11.5 lbs. (5.2 kg)
OPTIONAL	
Recipe Textile Formulation software	innovative and advanced Colour Matching software, code 3393A.12, to prepare and correct colours when preparing dyeing lab recipes.
CONTROL LAB	laptop code 2532.150, or as alternative choice, personal computer code 237.92, monitor code 250.300. Ink jet printer code 250.4, set of spare cartridges, set of A4 paper sheets, uninterruptible power source UPS code 250.306, UPS code 2341.900, multiple electric socket code 250.344.
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