



962

Portable Spectrophotometer



Convenient Color Measurement Instrument

The 962 portable handheld 0/45 spectrophotometer is designed to address a wide range of color needs, ensuring consistent color quality in the plant, laboratory or field. It is suited for professionals who must deliver color consistency across the supply chain. When paired with Color iQC or Color iMatch software, this instrument offers increased quality control and color formulation.

The 962 features an easy-to-read graphical LCD display and a pass/fail mode for fast evaluation of color accuracy against an established standard. Its unique Project Mode enables the collection of multiple color standards under an identified project as part of a corporate color standards program.

Precise Color Measurement On The Go

- Measures opacity, color strength in chromatic, apparent, and tri-stimulus calculations for precise color control of products involving plastics, painted, or textile materials.
- Stores up to 1,024 standards with tolerances for easy pass/fail measurement.
- Captures color data to identify variation in incoming materials, production batches and more, reducing the color approval cycle and speeding time to market.
- Meets several CIE certifications and includes CIE XYZ, CIE Yxy, CIE LAB, Hunter LAB, CIE LCH, CME, CIE94, Whiteness and Yellow.
- Available in three models, distinguished by the measurement area: 962 (7mm), 962S (4mm), 962L (15mm).

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Make it a complete solution

Color iQC

A unique, job-oriented upgradeable color quality control software solution designed to meet evolving color measurement and management requirements in all industrial market segments. Color iQC adapts to existing workflows for fast, easy, and accurate color control. Color iQC is available in a variety of configurations to meet specific industry and quality control requirements.

Color iMatch

A job-oriented color formulation software solution for paint, plastics and textiles, enables accurate color analysis and formulation for a variety of applications. It is PantoneLIVE-enabled, allowing users to retrieve digital color standards from a cloud-based library in addition to or instead of using physical reference standards, which can deteriorate or be measured inconsistently. Color iMatch is available in a variety of configurations to meet most, if not all, industrial color formulation needs.

Specifications

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Measurement Time	Approximately 2 seconds
Measurement Geometry	0°/45°, DRS spectral engine 4mm measurement area/6.5mm target window 7mm measurement area/9mm target window 15mm measurement area/21.5mm target window
Lamp Life	Approximately 500,000 measurements
Power Supply	Removable (Ni-metal hydride) battery pack
AC Adapter Requirements	90 –130VAC or 100-240VAC, 50 – 60Hz, 15W max
Light Source	Gas-filled tungsten lamp
Charge Time	Approximately 4 hours – 100% capacity
Illuminant Types	C, D50, D65, D75, A, F2, F7, F11 & F12
Standard Observers	2° & 10°
Data Interface	Patented bi-directional RS-232, 300 57,600 baud
Spectral Range	400 – 700nm

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Detector	Blue-enhanced silicon photodiodes
Operating Temperature Range	50° to 104°F (10° to 40°C) 85% relative humidity maximum (non-condensing)
Spectral Interval	1,024 standards with tolerances, 2,000 samples
Weight	2.4 lbs. (1.1 kg)
Inter-Instrument Agreement	CIE L*a*b*: Avg. 0.20 DE*ab based on avg. of 12 BCRA Series II tiles Max. 0.40 DE*ab on any tile
Dimensions	4.3"H 3.3"W 7.7"L (10.9 cm 8.4 cm 19.6 cm)
Short-Term Repeatability	0.10 DE*ab on white ceramic (standard deviation)
Measurement Range	0 to 200% reflectance
Accessories Provided	Calibration standards, operation manual on CD-ROM, AC adapter and a carrying case

Full list of specifications available at www.xrite.com/962

*Specifications and design subject to change without notice. X-Rite standards are traceable to National Institute of Standards and Technology, Gaithersburg, Maryland, USA.

Service Support & Warranty

X-Rite's color analysis and measurement solutions are engineered and manufactured to the most rigorous quality standards. These standards are backed by comprehensive global service, superior phone and web support, and preventative maintenance options to optimize your long-term investment. We have developed service support and warranty plans that are unique to your organization's specific products and needs.

Learn more by reviewing our service offerings on our website at: www.xrite.com/page/service-warranty.

Still unsure of what you need? Contact us directly at: servicesupport@xrite.com