X-rite spectrometer device

Overview

Portable & Handheld Spectrophotometers Lightweight and portable, handheld spectrophotometers offer the convenience of bringing the device to the sample.

Key Takeaways

X-Rite spectrometers are precision instruments for accurate color measurement and management, available in handheld, portable, and benchtop models for diverse industrial and laboratory applications. OverviewX-Rite spectrometers are designed to measure and control color across a wide range of materials, including plastics, textiles, coatings, inks, and specialty paints. They are essential tools for quality control, color formulation, and ensuring consistency in production processes.

X-

Rite offers both handheld/portable and benchtop spectrophotometers, each suited to different workflows and measurement needs.

Handheld and Portable Modelse

Xact 2: A handheld spectrophotometer with video targeting and Digital Loupe zoom technology, ideal for printers, converters, and ink suppliers. It supports fast, accurate measurements on a variety of surfaces. Ci64: X-Rite's most precise handheld spectrophotometer, available in multiple configurations, often paired with Color iQC software for advanced color management in plastics, coatings, and textiles.

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Ci62: A portable sphere spectrophotometer designed for reflective or textured surfaces, ensuring accurate color measurement in field or lab environments. These portable devices are lightweight, mobile, and suitable for on-site color verification, metamerism detection, and pass/fail quality control. Benchtop ModelsCi7600: A mid-range benchtop sphere spectrophotometer for labs, R&D, and production, offering end-to-end color management when combined with X-Rite software.

Ci7500: Reflectance benchtop spectrophotometer for opaque materials, ideal for lab and quality control professionals. Ci4200/Ci4200UV: Compact benchtop solutions for small to medium manufacturers, supporting color QC and formulation software. Benchtop models provide high precision, repeatability, and scalability, making them suitable for rigorous laboratory and production environments.

ApplicationsX-Rite spectrometers are used for: Color quality control in manufacturing and printingFormulation of paints, coatings, and plasticsVerification of color consistency across batches and materialsReducing rework and material waste by ensuring accurate color from the start Software IntegrationMany X-Rite spectrometers integrate with software like Color iQC or Color iMatch, enabling automated color analysis, reporting, and workflow optimization. This integration helps reduce errors, speed up production, and maintain consistent color standards. Purchasing and PricingX-Rite spectrometers are available through distributors and online platforms.

Prices vary by model and configuration, for example: Ci60 handheld: Approx. ₹550,000Ci4200 benchtop: Approx. ₹1,250,000Ci7600 benchtop: Approx. ₹1,800,000 These instruments often include options for USB or Bluetooth connectivity and can store thousands of reference samples for fast access. ConclusionX-Rite spectrometers provide reliable, precise, and versatile color measurement solutions for industries where color accuracy is critical. Choosing between handheld, portable, or benchtop models depends on workflow requirements, material types, and the level of precision needed.

Integration with X-Rite software enhances their utility, making them a comprehensive solution for color management and quality control.

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Color Measurement and Management Products

Browse X-Rite products and solutions to improve your color measurement and management . From hardware to software; spectrophotometers to

Operation of particular instruments

X-Rite & Calibrite: DTP20 "Pulse" - "swipe" type reflective spectrometer, that can be used untethered. DTP22 Digital Swatchbook - spot type reflective spectrometer. DTP41 - spot and strip reading

X-Rite Color Management Workflows | Comprehensive Color Standards

X-Rite, a global leader in color standards, offers data-driven solutions for every step of the color workflow. Hardware, software, services.

Color Spectrophotometers | Instruments for Color

Portable Spectrophotometers Lightweight and portable, handheld spectrophotometers offer the convenience of bringing the device to the sample.

eXact™ Handheld Spectrophotometers for Print & Packaging | X ...

Learn about eXact 2, a next generation, connected, non-contact handheld spectrophotometer designed to bring the ink, print, and packaging workflow together.

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X-Rite Centurfax cc-dot printing plate densitometer

Anfrage zum Produkt: X-Rite Centurfax cc-dot printing plate densitometer (Art.Nr. 51537)

Imaging Benchtop Spectrophotometers

X-Rite''s imaging color spectrophotometers offer accurate color measurement for small, odd-shaped, and multi-colored samples.

Ci6x Series Sphere Handheld Spectrophotometers

X-Rite compact and lightweight handheld sphere spectrophotometers capture accurate color measurements to ensure color quality at any stage of production.

eXact™ 2 Portable Spectrophotometer

Designed for use on paper substrates, eXact 2 features advanced measurement technology, first-to-market Mantis(TM) video targeting, WiFi connectivity, and an intelligent interface.

X-rite Spectrophotometer

Sphere Portable Spectrophotometer for the most accurate and precise colour measurement for high-end quality control. Solution ideal for use in the lab, field, and manufacturing plants. Available with

X-Rite Spectrophotometers

X-Rite Ci62 Medium Aperture (8mm) Sphere Based Handheld Spectrophotometer - Mid-range quality control solution ideal for industrial and packaging applications. Offers flexibility on sample size and

X-Rite – NDi

The i1 is an affordable, professional-level spectral colour measurement device for print, display and projector profiling and print quality assurance. Quickly and

X-Rite Spectrophotometer for sale | eBay

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X-Rite eXact Scan | Handheld Densitometer

The X-Rite eXact Scan spectrophotometer is a next-generation handheld color measurement solution that measures a 100cm/40” color bar in less than 10

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