

DOT METERS



X-RiteDot is a line of portable dot-analysis instruments that provide digital screen ruling assessment, on-board video dot magnification, and dot shape analysis on almost any media. X-RiteDot provides operators with the most accurate solution for evaluating dot percent, resulting in quality and consistency in the imaging workflow.

Better dots make better reproductions. And with X-RiteDot™ meters, you can get the most out of your conventional or CTP imaging workflow, with confidence in plates, film and proofs.

ALL MODEL SPECIFICATIONS:

Technology

14,000 dpi CCD array
Optional FM mode for stochastic materials

Aperture Size

1 mm

Optical Range

85 to 250 lpi

Illumination

Transmission base std. on *ComboDot*
Red LED std. on *BasicDot*
RGB LED std. on *PlateDot*, *PrintDot* and *ComboDot*

Data Storage

32 values with data option

Measurement Time

2 seconds

Warm-up Time

None

Accuracy

+/- 1% dot

Display

Numeric display
Optional graphic display with image view and zoom

Go Beyond Accurate

The X-RiteDot meters go beyond densitometry to provide the industry-certified most accurate solution for evaluating dot percent, resulting in quality and consistency on press.

With the industry-leading ccDot engine, the X-RiteDot lineup brings valued X-Rite service, reputation and strength to the area of dot analysis. Accurate feedback on dot size, digitally-accurate screen ruling assessment, on-board video dot magnification and dot shape analysis yield an unbeatable solution in dot measurement.

Complete Line of Dot Technologies

What if the same accurate dot evaluation used to produce the industry-leading plate dot meter could be used to measure halftone films, or even digital or contact proofs? Well now it can be.

With the X-Rite *ComboDot* you can accurately analyze the exact screen percentage of any hard-dot or soft-dot film on any light table. And to complete the picture, *ComboDot* includes a separate density head and transmission base for conventional film density measurements.

X-Rite *PrintDot* yields accurate physical dot size measurements from comps, proofs, or press prints, further extending the reach of accurate dot validation. Use it to calibrate conventional or digital proofing solutions, to accurately evaluate customer-supplied materials, or to document data and digital pictures that confirm the visual image you see in a magnifying loupe.

Simple To Use

A simple, single button press is all that is required to capture images or make measurements of any dot image, on prints, plates or films. The graphical menu provides easy, quick and simple access to the wide range of enhanced features of the X-RiteDot line—ensuring that any operator is able to make measurements with a minimum of training.

24-HOUR PRODUCT SERVICES

Internet: www.uvprocess.com

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DOT METERS



No User Calibration

The X-RiteDot line was engineered with a simple design concept that adjusts for the plate background image automatically. This means that not only are measurements faster but also more accurate—reducing user errors that can be common with competitive solutions. X-RiteDot is simple, just aim and measure.

Easy To Enhance

Users can easily upgrade X-RiteDot models to add more features as their needs grow, all without the need to return it to the factory. Enhancements are made via a simple user entered keycode to unlock features.

Unparalleled Accuracy

The X-RiteDot product line features high-resolution 14,000 dpi optics. This allows measurement of standard (AM amplitude modulated) screens from 85-250 LPI as well as stochastic (FM frequency modulated) screens as fine as 20 microns. In addition, the unique view-through aperture offers the most convenient and accurate placement, ensuring you get a quality measured result.

Advanced Display

X-RiteDot meters offer a large format, easy-to-read, graphic display which offers a variety of information at the touch of a button. Easily view data including percentage dot, screen ruling or screen angle data. Switch to video mode and view real dot shapes and patterns.

You can even magnify the image to view misshapen dots or artifacts—the true alternative to a magnifying loupe. You can also save reference images for later review or for transfer to a computer for further use.

KEY FEATURES:

- Connect Mac/PC to share data/images
- Easy to use, full-size graphic display, graphical user interface, auto-calibrating
- Accurate dot on films, plates and prints
- WYSIWYG viewing for accurate position
- Fully upgradeable – add new features
- Data set storage for press/proof curves

SPECIFICATIONS (cont.):

Data Connection

Serial connection

Mini-DIN Mac serial adapter optional

USB adapter optional

Power Source

Rechargeable battery pack

Switching power supply (100V AC to 240V AC)

Charge Time

Up to 14 hours for full charge, first time use

Physical Dimensions

Height: 5.4 cm (2.125 in)

Width: 9.5 cm (3.75 in)

Length: 26 cm (10.25 in)

Weight

540 g (1.2 lbs)

Software

Video option includes ImageLink software for image exchange with PC/Mac

Data option includes KeyMagic software for data exchange with PC/Mac

INCLUDES

12 month warranty

DB9 serial interface cable

Optional annual service contract

Storage case

Complete documentation

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DOT METERS



BASICDOT

X-Rite's entry-level dot meter for evaluating printing plates with blue or green emulsions. Rated most accurate plate measurement solution by GATF - recommended by leading plate and platesetter manufacturers

- Full upgrades via keycode - add FM functionality, film capability and more
- Verify CTP or conventional plates with reliability, ease and accuracy
- Upload data and video images to PC or Macintosh with optional software

INSTRUMENT ATTRIBUTES

Primary Application: Blue, Green Plates

Screen Ruling (min/max): 85 lpi to 250 lpi

Stochastic Capable: No

Minimum Dot Size (microns): NA

PLATEDOT

X-Rite's accurate meter for evaluating dot size, line ruling and screen angle on printing plates with any color emulsion.

- Standard level solution for simple dot evaluation on any color litho plate
- Auto calibration direct sample viewing
- Send data or video frames to your Macintosh or PC with optional software
- Upgrade to add the stochastic/FM feature or other capabilities

INSTRUMENT ATTRIBUTES

Primary Application: Offset Plates

Screen Ruling (min/max): 85 lpi to 250 lpi

Stochastic Capable: No

Minimum Dot Size (microns): NA

COMBODOT

Accurately evaluates halftone film dot area and density as well as dot size, line ruling and screen angle on printing plates of any color.

- Combined solution for dot and film measurement on any color litho plate
- Quickly and easily evaluate plates and films for dot, screen ruling and angle

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DOT METERS



- Add capability to measure prints and proofs with an upgrade via key codes
- Calibrate both your platesetter and your imagesetter
- Measure stochastic films and plates with optional FM feature

INSTRUMENT ATTRIBUTES

Primary Application: Plates, HT Films

Also Can Read: Density (D-Max)

Screen Ruling (min/max): 85 lpi to 250 lpi

Stochastic Capable: No

Minimum Dot Size (microns): NA

PRINTDOT

X-Rite's multi-function dot meter for accurately evaluating dot size on a variety of graphic arts media including prints, film and plates with any emulsion color.

- Measure precise dot area, angle and line screen ruling in your printing process - film, plates, proofs and pressrun
- Simple icon-driven menu and self-calibration feature
- Capture data and video frame images of any media, and upload to PC or Macintosh (optional feature)
- Document plate, proof or print problems to share with management, vendors and customers
- With our best-of-class 14,000 DPI resolution measure FM/stochastic plates and films with our optional FM upgrade

INSTRUMENT ATTRIBUTES

Primary Application: Proof Calibration

Also Can Read: Plates, HT Films

Screen Ruling (min/max): 85 lpi to 250 lpi

Stochastic Capable: No

Minimum Dot Size (microns): NA

PART NUMBER

DESCRIPTION

M003-025	BASIC DOT METER
M003-026	PLATE DOT METER
M003-027	COMBO DOT METER
M003-028	PRINT DOT METER

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