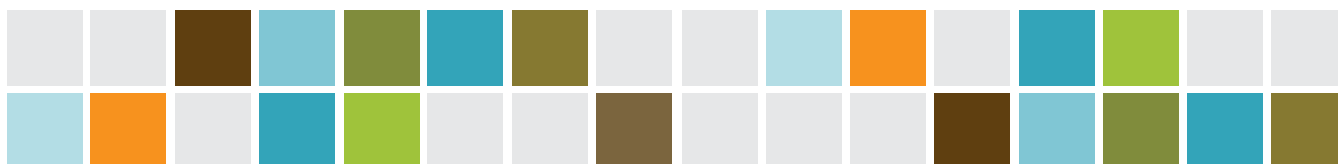


341C

[A2B-Lab]
INSTRUMENTS

ISO 9001
Certified

x-rite
PANTONE®



Portable Transmission Densitometer



A Portable Densitometer Capable Of Measuring Densities Greater than 5.00

The 341C Portable Transmission Densitometer concentrates the best features of a tabletop densitometer inside a compact, portable, and economical hand-held unit. We designed the 341C as a completely self-contained instrument able to take measurements anywhere you need.

A Solid Performer

The X-Rite 341C includes a calibrated, internal light source. It meets global standards for geometry of a transmission densitometer, including proper diffusion of the light source, enabling true measurement values.

The 341C measures density and dot area with extraordinary accuracy — in fact, it's capable of measuring densities greater than 5.0D. The model 341C includes a calibration reference that is traceable to ISO standards for transmission densitometry.

Density and Dot Area Applications

The 341C can be used to make dot area and density measurements quickly and easily. The density function is useful for evaluating and setting the exposure of any imagesetting system, positive or negative. Use it to verify the Dmax of your films, ensuring light-blocking film properties when making proofs or printing plates.

The dot area function is useful for verifying screen tint values from contact films, duplicate films, or originals. It can zero on the film base, and accurately measure from 0 to 100 percent. It is handy and easy to use in linearizing or calibrating the tone value of any imagesetter.

Consider pairing the 341C with our popular pressroom handhelds, like 500Series or SpectroEye to create unique capabilities. This combined system has the ability to measure solid and screened areas of your images on both film and paper.

The compact and rugged 341C also includes rechargeable NiMH batteries and a power supply, to deliver hours of cordless operation. Also included is a carrying case for storage of the 341C when you travel.



Model 341C Features:

- Measures Density, Density Difference, and Dot Area.
- Easy zeroing with a push on a button.
- Completely self-contained operation. No independent power supply or light source required.
- Built-in light table lets you quickly find the right area for measurement.
- Long-lasting batteries enable you to make measurements before recharging the unit.
- Comes with four long-life, rechargeable NiMH batteries.
- 341C has a sleep mode to reduce battery drainage and a LED charge status indicator
- High-contrast LCD display that is easy to see and easy to use.
- Includes 2mm, and 3mm apertures allowing measurement of a variety of film line screen rulings.
- Includes a certified step wedge.
- Includes instrument carrying case.

Model 341C Benefits:

- Ideal for all graphic arts film applications, from quality control to calibration.
- Extraordinary accuracy when measuring density and dot area.
- Able to measure densities greater than 5.0D for use with high density linear films.
- Conforms to ANSI PH2.19 and ISO 5/2 standards for transmission densitometry.
- Simple to operate and easy to hold.
- Provides pre-press operators with fast, accurate feedback to verify film quality and minimize waste.
- Backed by X-Rite's world-class service and application support teams.

Specifications

Measuring Range

0 to >5.0D
0% to 100%

Measuring Area

2mm and 3mm

Repeatability

$\pm .01D$ (0 to 4.0D)
2mm and 3mm aperture
 $\pm 1\%$ (4.0D to 5.0D)
3mm aperture

Warm-Up Time

None

Zero Stability

$\pm 0.02D$ (0.01 typical)

Response

ANSI/ISO visual

Measuring Length (Throat)

5.5 inches (14cm)

AC Adapter Requirements

100-240V ~ 50/60Hz

Operating Temperature Range

50° to 104°F (10° to 40°C)

Physical Dimensions

2.0" H (5.1 cm)
2.9" W (7.5 cm)
7.0" L (17.8 cm)

Weight

1.52 lbs. (690 g)

Safety & Compliance

UL, CUL
CE
FCC Class A

Linearity (Accuracy)

$\pm 0.02D$ (0 to 4.0D)
2mm and 3mm aperture
 $\pm 2\%$ (4.0D to 5.0D)
3mm aperture

Power Supply

rechargeable AA NiMH
battery (included)
AC adapter (included)

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