



Densitometer

361T



Accurately Measure Density on Film

The X-Rite 361T Tabletop Transmission Densitometer is ideal for film-based workflows, and is used to measure both density (up to 6.0D) and dot area. Use the 361T to linearize imagesetters, adjust exposure, perform processor quality control, and verify duplicated or contacted films. UV mode measures film base fog and evaluates diazo films.

Benefits:

- Standard apertures of 1mm, 2mm and 3mm offer flexibility in measurement areas.
- Measure both negative and positive percent dot area.
- Includes both Ortho and UV densitometer responses.
- Includes cable interface for transmitting dot area readings to computers.

Specifications

Ortho, Visual (2 mm and 3 mm aperture):

0.0 D to 5.0 D: ± 0.01 D

5.0 D to 5.5 D: ± 2 %

5.5 D to 6.0 D: ± 3 %

**Short Term Repeatability -
Density**

Ortho, Visual (1 mm aperture):

0.0 D to 4.5 D: ± 0.01 D

4.5 D to 5.0 D: ± 1 %

UV (3 mm aperture):

0.0 D to 3.5 D: ± 0.01 D

3.5 D to 4.0 D: ± 1 %

Measurement Geometry

Per ANSI PH 2.19, ISO 5/2

Inter-Instrument Agreement

0.0 D - 5.0 D: ± 0.02 D, ± 2 %

Ortho, Visual (2mm and 3mm aperture):

0.0 D to 5.0 D: ± 0.02 D

5.0 D to 5.5 D: ± 1 %

5.5 D to 6.0 D: ± 2 %

Linearity

Ortho, Visual (1mm aperture):

0.0 D to 4.5 D: ± 0.02 D

4.5 D to 5.0 D: ± 1 %

UV (3mm aperture):

	0.0 D to 3.5 D: ± 0.02 D
	3.5 D to 4.0 D: ± 1 %
Aperture	1mm, 2mm and 3mm (0.5mm optional)
Humidity	$\leq 76\%$
Operating Temperature Range	10°C to 40°C 50°F to 104°F
Storage Temperature Range	-20° to 50°C -4° to 122°F
Dimensions (length, width, height)	43.5 cm x 33.0 cm x 15.2 cm 17.1" x 13.1" x 6.0"
Weight	8.63 kg 19 lbs.
Shipped Weight	17.5 kg 7.95 lbs.
Communication Interface	RS-232 serial interface
Instrument Display	8 character LCD
Voltage	90 - 130 VAC 50 - 60 Hz

120 - 260 VAC 50 - 60 Hz

Warm Up Time

2 minutes

5 minutes (UV)

Wattage

80 VA max.

Density Range

0.0 D to > 6.0 D

0 % to 100 %

Density Standards

X-Rite Visual, X-Rite Ortho, X-Rite UV

Industry Standards

ISO 5-2, ANSI PH2.19

Warranty

1 year