

X-Rite DTP 70 X-Y AutoScan Spectrophotometer



X-Rite DTP70

not-new, not actual certificated

tested, cleaned, inspected

Instrument Description

The DTP70 X-Y AutoScan Spectrophotometer is designed for on-demand and prepress professionals. This product dramatically reduces the time and difficulty in the process of measuring ICC color management test forms. The instrument reports densitometric, colorimetric and spectral data.

Instrument Specifications

General:

- Measurement Geometry: Reflection 45°/0° per ANSI/ISO 5-4 (IT2.17)
- Spot Size: 3.2 mm diameter
- Light Source: Gas pressure @ 2850°K
- Spectral Sensor: FAST technology, 16-point engine, 31-point reporting
- Spectral Range: 400 – 700 nm
- Illuminant Types: A, C, D50, D65, D75, F2, F7, F11 & F12
- Standard Observer: 2° & 10°
- Density Responses: Status T, E, I, A, Spectral, HiFi, Hexachrome

Measurement Speed:

- 100 measurements per second
- T8 7/3: 2.5 minutes minimum
- ECI: 4.2 minutes minimum
- T8 7/4: 4.5 minutes minimum

Inter-instrument agreement:

- (based on DTP70 standard for 12 BCRA tiles): 0.3 deltaE 94 average; 0.5 deltaE 94 maximum
- Measurement range: 0.00D to 2.50D; 0 to 160% R (reflection)
- Repeatability on White: 0.2 deltaE max.; ±0.01D max.
- Linearity: ±0.02D or 2%, 0 to 2.5D
- Media Thickness: 0.08 mm (0.003 in) to 0.36mm (.014 in)
- Physical filter: UV in / ex – field switchable
- Backer Tray: Black / White – field switchable
- Data Interface: USB 2.0 certified full-speed peripheral device
- Calibration: Internal calibration reference provided
- Warm-up Time: None
- Physical Dimensions: W: 315 mm (12.4 in), D: 193 mm (7.6 in),
-H: 150 mm (5.9 in)
- Weight: 3320 g (7.32 lbs.)

Environmental:

- Operating Temp: +10° (50°F) to +35°C (95°F)
- Humidity Range: 0 - 85% RH non-condensing
- Usage: Indoor Only
- Altitude: 2000m
- Pollution Degree: 2
- Transient Overvoltage: Category II

Accessories Included:

- Calibration Reference (built in)
- DTP Series Manuals
- USB Communication Cable
- Auto-Ranging Power Supply (P/N SE30-77): 100-240VAC, 50-60 Hz; 30W

- UV excluded & UV included optics covers (built in)



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