

Specifications

- Color accurate measuring of all modern display types
- Contact or non-contact display measurement modes
- Ability to measure projector screens
- Capability to measure ambient light (color and illuminance)
- Specifically designed for modern LCD display technologies including CCFL, White LED, RGB LED, and Wide Gamut display technologies

Optics specification

- Number of Channels: 3
- Measurement area (in contact): 24 mm diameter circle
- Acceptance angle: ± 5 degrees (at half max)
- Luminance Measurement Range: 0.1 cd/m² to 1,000 cd/m²
- Minimum measurement integration time: 0.1 sec / measurement @ 100 cd/m²
- Maximum measurement integration time: 6 sec / measurement @ 0.10 cd/m²
- Effective Measurement Primaries: CIE Standard (1931) Observer
- Ambient measurement angle: 160 degrees cosine response
- Ambient illuminance measurement range: 0.5 lm/m² to 5,000 lm/m²

Measurement Performance

- Accuracy: Illuminant A under X-Rite's standard measurement conditions
 - o Color = ± 0.004 x, y @ 100 cd/m²
 - o Luminance = $\pm 4.0\%$ @ 100 cd/m²
- Short-term repeatability: Illuminant A under X-Rite's standard measurement conditions
 - o Color = ± 0.001 x, y @ 100 cd/m²
 - o Luminance = $\pm 1.0\%$ @ 100 cd/m²