Quality Assurance in Medical Imaging

LXcan – Spot Luminance Meter
Display QA

Key Benefits

➤ Unique Two-in-One design
  Distance and contact measurement in one device

➤ Highly precise
  Real-time measurement

➤ Innovative design
  Easy targeting with a built-in camera
Technical Specifications

LXcan – Spot Luminance Meter

- Luminance Measurement Range: 0.05 to 10,000 cd/m²
- Maximum Luminance Resolution: 0.03 cd/m²
- f1 Uncertainty of V(λ) Response: ≤ 3 %
- General Uncertainty: ≤ 10 %
- F.O.V. Lens: ~ 1.6 °
- Influence of Outfield Luminance f2 (U): ≤ 0.6 %
- Stray-Light-Baffle: Integrated
- Measurement Distance: 50 cm
- Measurement Spot: 2 cm at 50 cm distance
- Distance Sensor: Ultrasonic
- Illuminance Measurement Range: 1) 0.1 to 10,000 lx
- Total Uncertainty: ≤ 10 %
- Display: 1.2” TFT
- Control Buttons: Three
- Interface: USB, RS 232
- Battery rechargeable via USB: Li-Ion
- Housing: Al; Tripod Adapter
- Dimensions: 220 x 80 x 45 mm
- Weight: 500 g
- Power Consumption (use with USB): approx. 450 mA
- Expected Operation Time (Battery use): approx. 8 h

1) Optional
Detector Head and External Illuminance Detector

➤ Luminance Meter; 0.05 to 10,000 cd/m² with F.O.V. ~ 1.6°
➤ Photometric V(λ) Uncertainty ≤ 3 %
➤ Extra low Stray-Light Rejection for High Contrast Ratio
➤ Distance and Imaging Sensor for Measurements at 50 cm
➤ External Illuminance Detector; 0.1 bis 10,000 lx
➤ RS 232 and USB Interfaces
➤ Rechargeable Lithium Battery