

Long term reputation in the medical industry.

Assurance we will offer competitive pricing.

Customer service #1 priority.

One Stop.

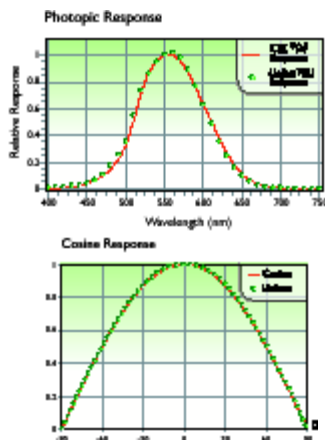
LACO Inc.

can do it all!



The Unfors LUXI detector can be used for Quality Assurance of image workstation monitors (LCD and CRT), image intensifier monitors, film view boxes, ambient light, collimator light field, etc. in radiology departments.

The Unfors LUXI detector is capable of measuring illuminance with a perfect cosine match for ambient light (0.05 - 50,000 lux). Contact luminance measurements can be performed on CRT and LCD monitors as well as view boxes in the range 0.05 - 50,000 cd/m². Luminance or illuminance measurements are easily selected by either attaching or detaching the optical tube to the detector housing. Data can be stored in the internal memory or exported to Unfors Xi View via serial or Bluetooth communication.



The Unfors Concept



Unfors Luxi

Convenient Precision

- * Luminance and illuminance
- * Fulfills DIN 5032 Class B
- * Excellent Photopic Response

Specifications

Size: Base Unit: 28 x 74 x 142 mm
 Light detector: 30 x 104 x 21 mm
 Luminance Tube: Ø 29 mm L = 84 mm
 Shadow Ring: Ø 50 mm

Weight: Base Unit: 250 g
 Light detector: 170 g

Cable Length: 2 m

Power Off: Auto after 5, 20, or 60 min of inactivity

Range: Automatic

Read Out: Three row alphanumerical

Relative air humidity: <80%

Temperature range: 15 - 35 C

EMC tested: According to EN 61000-6-1:2001 and EN 61000-6-3:2001

Display units: cd/m² and lux, fL and fc

Calibration Uncertainty: < 2% (@Illuminant A)

Calibration traceability: The Unfors LUXI detector is calibrated to International traceable standards (NIST PFB)

Luminance: 0.05 - 50 000 cd/m² autoranging

Resolution: 0.01 cd/m²

Illuminance: 0.05 - 50 000 lux autoranging

Resolution: 0.01 lux

Luminance detector optics: Ø10mm measuring field, Contact measurement focusing lens 1:1

Probe Memory: 3 x 30 measurements

Maximum uncertainty according to DIN 5032, part 7: Class B, for all optical lighting applications

Photopic response adjustment V(λ) (f1): < 4%

Evaluation true to cosine response (f2): < 1.7%