

## UDT Model 265 & 265M Display Brightness Sensors

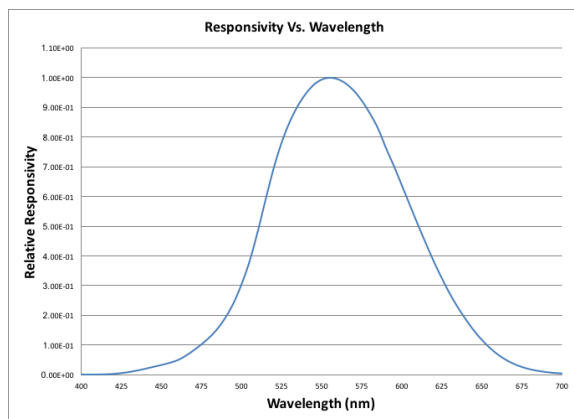


The model 265 products consist of luminance sensors including an occluder ring for blocking ambient light. Ideal for measurement of displays, these sensors are designed with spectral responsivity that matches the human visual system, incorporating a silicon detector combined with a spectrally matched photometric filter.

The luminance head was specifically designed for measuring display brightness. Its integral lens provides a fixed field-of-view of 13 degrees and a soft rubber light shade eliminates errors due to ambient light and keeps the display from being scratched during measurement.

Our wide range of optical power meters, photometric and radiometric sensors is complemented by ISO/IEC 17025 accreditation by NVLAP (NVLAP lab code 200823-0), resulting in unmatched performance and custom configuration as required.

- Field-of-view is 13 degrees
- High accuracy photometric filter  $f1' \leq 3\%$  standard,  $\leq 1.5\%$  special order
- Luminance Measurements in nit ( $\text{cd}/\text{m}^2$ ) and foot-Lamberts (standard)
- Luminous Intensity Measurements in candelas (special order)
- Integrated fixed-focus lens for non-contact measurement
- Standard 82.6 mm (P/N U23-01-184) or optional 'mini' 62.5 mm (P/N U23-01-184OPT) occluder



Key Specifications	Part No. U23-01-184 (OPT)
Field-of-view	13 degrees
CIE $V(\lambda)$ Function	$f1' \leq 3\%$ (standard) $f1' \leq 1.5\%$ (special order)
Detector Information	Silicon $0.34 \text{ cm}^2$ active area
Dynamic Range	$1 \times 10^{-3}$ to $1 \times 10^5 \text{ cd}/\text{m}^2$
Typical Response	$1.1 \times 10^{-9} \text{ A}/\text{cd}/\text{m}^2 @ 555 \text{ nm}$
Calibration	ISO 17025, NIST Traceable
Cable	2 meter, included

Specifications are subject to change without notice.

Compatible with the UDT Handheld and Benchtop series Optical Meters and Integrating Spheres.

