

## UDT Model 263 Miniature Photometric Sensor



The model 263 miniature Photometric sensors are designed with spectral responsivity that matches the human visual system, incorporating a silicon detector combined with a spectrally matched photometric filter. An integrated cosine filter significantly reduces directional sensitivity for ease of use.

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.

- Illuminance Measurements (lux)
- Luminous Intensity Measurements (cd)
- Luminous Flux Measurements (lm) when used with model 2575 mini-sphere

### Key Specifications

Part No. U23-01-180

CIE V ( $\lambda$ ) Function	$f1' \leq 3\%$ (standard) $f1' \leq 1\%$ (special order)
Detector Information	Silicon 0.34 cm <sup>2</sup> active area
Rise Time	1 $\mu$ sec
Dynamic Range <sup>(1)</sup>	$5 \times 10^{-7}$ to $5 \times 10^5$ lux
Typical Response <sup>(1)</sup>	$7.3 \times 10^{-10}$ A/lux
Calibration	ISO 17025, NIST Traceable
Cable	2 meter BNC, included

Specifications are subject to change without notice.

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

(1) Stand alone with cosine receptor. Value may differ when used with integrating sphere, or with cosine receptor removed.

