

UDT Model 268P Low Profile Photometric Sensor



The model 268P is a low-profile illuminance sensor designed for applications with limited mechanical clearance. These 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.

- Luminous Flux Measurements (lm)
- Illuminance Measurements (lux)
- Luminous Intensity Measurements (cd)
- Luminance Measurements (cd/m²)

Key Specifications

Part No. U23-01-201

CIE V (λ) Function	f1' ≤ 3% (standard) f1' ≤ 1% (special order)
Detector Information	Silicon 1.0 cm ² active area
Rise Time	3 μ sec
Dynamic Range ⁽¹⁾	1 x 10 ⁻³ to 2 x 10 ⁴ lux
Typical Response ⁽¹⁾	7.3 x 10 ⁻¹⁰ A/lux @ 555nm
Calibration	ISO 17025, NIST Traceable
Cable	1.5 meter, 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.

