

## UDT Model S2500-L Integrating Sphere



The model S2500-L Integrating Sphere has a diameter of 150 mm and a typical attenuation of 6000:1. It includes an input aperture disk with a standard 19 mm port and a blank adaptor which can be drilled for other aperture sizes.

It is compatible with a broad range of sensors, and features an internal baffle that is ideal for measurement of diverging light sources. The mounting interface is via a ¼-20 female thread.

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.

Sphere Part Number U22-06-001

### Key Features

- Expert Design
- Quality Manufacturing - Mechanical and Optical
- Tech for configuration, calibration and usage
- Custom designs and configurations
- ISO/IEC 17025 accredited by NVLAP (NVLAP lab code 200823-0).

### Applications

- LED Test & Measurement
- Laser Power Measurement
- Fiber-Optic Testing
- General Photometry & Radiometry

Many other sensor options are available, please contact the factory for information. Compatible with our 400-Series Optical Meters.

### Popular Sensor Options

Model 221 Radiometric Sensor		Part No. U23-01-102
Key Features	High Linearity, Low Noise	
Detector Information	Silicon 1.0 cm <sup>2</sup> active area	
Rise Time	3 µ sec	
Dynamic Range	5 x 10 <sup>-11</sup> to 2.4 x 10 <sup>-3</sup> W	
Typical Response	5.1 x 10 <sup>-1</sup> A/W @ 980 nm	
Calibration Range	350 to 1100 nm in 10 nm steps	

Model 247 Radiometric Sensor		Part No. U23-01-168
Key Features	Spectral Flatness > 93%	
Detector Information	Silicon 1.0 cm <sup>2</sup> active area	
Rise Time	3 µ sec	
Dynamic Range	1.3 x 10 <sup>-10</sup> to 6.4 x 10 <sup>-3</sup> W	
Typical Response	1.9 x 10 <sup>-1</sup> A/W @ 630 nm	
Calibration Range	350 to 1100 nm in 10 nm steps	