



CALIBRATION SERVICES SELECTION GUIDE

We offer a variety of calibration services for lamps, light sources, detectors and sensors. Services include luminance, illuminance, radiance, irradiance, color temperature, luminance intensity and total luminous flux. We have a full service calibration laboratory, which allows us to offer custom calibrations and re-calibration of photometers and radiometers to many military and industry specifications. For customized calibrations or recalibration services, please contact us for additional information.

ORDER NUMBER	CALIBRATION	DESCRIPTION	WAVELENGTH RANGE	UNITS
CT-3	COLOR TEMPERATURE	Color temperature curve - 5 measured points for CIE chromaticity coordinates and color temperature vs. lamp current. The curve is a computer generated interpolation every 25K between 1800K and 3000K.	N/A	°K vs. I
LS-1	LUMINANCE OF SOURCE	Luminance calibration of sphere source at specified lamp current.	N/A	fL or cd/m ²
LS-1-NV	LUMINANCE OF SOURCE	Luminance calibration of sphere source at a specified lamp current for night vision range	VISIBLE	<1FT-L
LF-1	LUMINOUS FLUX	Luminous flux of input source to a sphere measurement system. Report DC current and voltage of lamp, and lumens/Amps of sphere system.	N/A	LUMENS/A
LI-1	ILLUMINANCE OF SOURCE	Illuminance calibration at exit port of sphere source or at customer designated location at a specified lamp current.	350 to 1100 nm	fL-cd or Lux
SF-1A	SPECTRAL FLUX	Spectral flux of input source to a sphere measurement system at a specified DC current or voltage.	360 to 1000 nm	W/nm
SF-1B	SPECTRAL FLUX	Spectral flux of input source to a sphere measurement system at a specified DC current or voltage.	300 to 1050 nm	W/nm
SI-1A	SPECTRAL IRRADIANCE	Calibration, Spectral Irradiance	300 to 1100 nm	mW/cm ² -nm
SI-1B	SPECTRAL IRRADIANCE	Calibration, Spectral Irradiance	300-2400 nm	mW/cm ² -nm
SR-3A	SPECTRAL RADIANCE	Spectral Radiance Calibration of source	300 to 1100 nm	W/nm-cm ² -sr
SR-3B	SPECTRAL RADIANCE	Spectral Radiance Calibration of Source	300 to 2400 nm	W/nm-cm ² -sr
SR-5S	SPECTRAL RESPONSIVITY	Spectral Responsivity Calibration – Silicon. Data reported every 10 nm.	300 to 1100 nm	A/W vs. λ
SR-5G	SPECTRAL RESPONSIVITY	Spectral Responsivity Calibration – Germanium. Data reported every 10 nm.	800 to 1800 nm	A/W vs. λ
SR-5I	SPECTRAL RESPONSIVITY	Spectral Responsivity Calibration – InGaAs. Data reported every 10 nm.	900 to 1700 nm	A/W vs. λ
SR-5-X -1	SPECTRAL RESPONSIVITY	Spectral Responsivity, Single Wavelength, 1 st measurement	Single Wavelength	A/W vs. λ
SR-5-X-2	SPECTRAL RESPONSIVITY	Spectral Responsivity, Single Wavelength, additional measurement	Single Wavelength	A/W vs. λ
UM-S	UNIFORMITY MAPPING	For Luminance/Radiance Systems – Uniformity Mapping of Source, Spatial, 1/20 dia. X-Y		
UM-A	UNIFORMITY MAPPING	For Luminance/Radiance Systems – Uniformity Mapping of Source, Angular, center of port, ± 30 H-V (9 point)		