LASER POWER MEASUREMENT SYSTEMS SELECTION GUIDE

The chart below provides an overview of the standard laser power measurement systems offered by SphereOptics. Our laser power measurement systems are sphere/detector combinations that give precision measurement results. Each system is provided with a Keithley 6485 picoammeter to record the power output level of the sphere/detector assembly. If one of our standard systems does not meet your needs, please call us for assistance in developing a cost-effective customized system for your application requirements.

ORDER NUMBER	SPHERE DIAMETER		PORT DIAMETER		SPHERE INTERIOR	DETECTOR	CALIBRATION RANGE	NOISE EQUIVALENT POWER
	INCHES	CM	INCHES	CM				
LPS-2-S	2	5.08	0.5	1.27	OPTOWHITE	SILICON	250-1100 nm	1E-10W at 850 - 980 nm
LPS-2Z-S	2	10.16	0.5	1.27	ZENITH	SILICON	250-1100 nm	3E-11W at 850 – 980nm
LPS-2Z-G	2	10.16	0.5	1.27	ZENITH	GERMANIUM	800 - 1800 nm	1E-10W at 850 - 980 nm
LPS-2Z-I	2	5.08	0.5	1.27	ZENITH	InGaAS	900 – 1700 nm	5E-11W at 850 - 980 nm
LPS-4-S	4	10.16	0.5	1.27	OPTOWHITE	SILICON	250-1100 nm	4E-10W at 850 – 980nm
LPS-4Z-S	4	10.16	1.00	2.54	ZENITH	SILICON	250-1100 nm	1E-10W at 850 - 980 nm
LPS-4Z-G	4	10.16	1.00	2.54	ZENITH	GERMANIUM	800 – 1800 nm	4E-10W at 850 – 980nm
LPS-4Z-I	4	10.16	1.00	2.54	ZENITH	InGaAs	900 – 1700 nm	2E-10W at 850 – 980nm
LPS-4Z-ISI	4	10.16	1.00	2.54	ZENITH	InGaAs & Silicon	Si: 250-1100 nm I: 900 – 1700 nm	2E-10W at 850 – 980nm
LPS-6Z-S	6	15.2	1.50	3.81	ZENITH	SILICON	250-1100 nm	7E-11W at 850 – 980nm
LPS-6Z-G	6	15.2	1.50	3.81	ZENITH	GERMANIUM	800 – 1800 nm	2E-10W at 850 – 980nm
LPS-6Z-I	6	15.2	1.50	3.81	ZENITH	InGaAs	900 – 1700 nm	4E-10W at 850 – 980nm
LPS-6Z-ISI	6	15.2	1.50	3.81	ZENITH	InGaAs & Silicon	Si: 250-1100 nm I: 900 – 1700 nm	4E-10W at 850 – 980nm

SYSTEM CALIBRATIONS

SphereOptics offers full calibration services traceable to national laboratory standards. We offer a large variety of calibration services for light sources and sensors, including luminance, illuminance, radiance and irradiance.