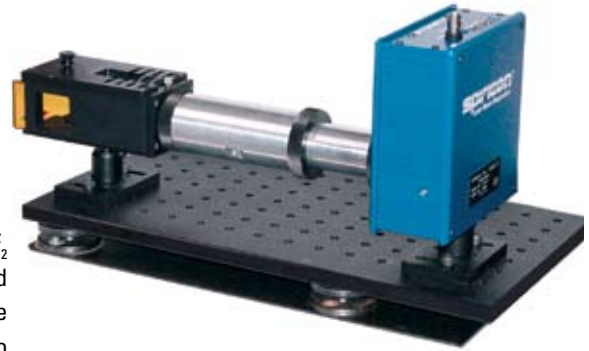


Laser Profiler Kits for CO₂

- A portable solution for medium power lasers
- Up to 1000W CO₂
- Up to 31mm beam widths (16mm 1/e² width)
- Easy operation – level, set and shoot

The LPK-CO₂ Beam Profiler Kits consist of an A/R coated reflecting wedge, CaF₂ filters, beam telescope to reduce larger beams, FireWire Pyrocam camera, and LBA software computer and interface card if required. The kit is designed to be conveniently placed in a horizontal beam, or under a down directed beam, to measure raw beam characteristics & stability. The user must safely handle the 95 to 99.5% of the beam that passes through the wedge. A PC style computer is required but not included. See the LBA Software section for software features and calculations. See the table below for specifications



LPK-CO₂-16

Model	Beam Reduction	Beam Sizes	Wavelength	Type of Attenuator	Camera
LPK-CO2-6.4-0.5	1X	6.4mm - 1.0	10.6um	beam splitter + assorted 0.5% attenuators	Pyrocam III
LPK-CO2-6.4-5.0	1X	6.4mm - 1.0	10.6um	beam splitter + assorted 5% attenuators	Pyrocam III
LPK-CO2-16-0.5	3X	16mm - 3.0	10.6um	beam splitter + assorted 0.5% attenuators	Pyrocam III
LPK-CO2-16-5.0	3X	16mm - 3.0	10.6um	beam splitter + assorted 5% attenuators	Pyrocam III

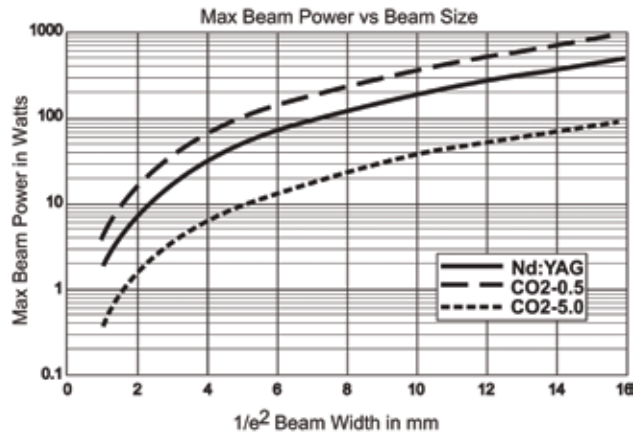
Laser Profiler Kits for Nd:YAG

- A portable solution for medium power lasers
- Up to 500W Nd:YAG
- Up to 31mm beam widths (16mm 1/e² width)
- Easy operation - level, set and shoot
- Optimize beams in real-time
- Diagnose problems quickly

The LPK-YAG Beam Profiler Kit consist of an A/R coated reflecting wedge, ND filters, beam telescope to reduce larger beams, a CCD (with framegrabber) or FireWire camera, and LBA software. The kit is designed to be conveniently placed in a horizontal beam, or under a down directed beam, to measure raw beam characteristics & stability. The user must safely handle the 90 to 98% of the beam that passes through the wedge. A PC style computer is required but not included. See the LBA section for software features and calculations. See the camera section for specifications.



LPK-YAG-16



Model	Beam Reduction	Beam Sizes	Wavelength	Type of Attenuator	Camera
LPK-YAG-2.5-FW LPK-YAG-2.5-USB	1X	0.1 - 2.5mm	1064nm	1% beam splitter + assorted attenuators	Si CCD
LPK-YAG-7-FW LPK-YAG-7-USB	3X	1.0 - 7.0mm	1064nm	1% beam splitter + assorted attenuators	Si CCD
LPK-YAG-16-FW LPK-YAG-16-USB	10X	3.0 - 16mm	1064nm	1% beam splitter + assorted attenuators	Si CCD

M2-200 Beam Propagation Analyzer		
M2-200s-FW	M2-200 software, software license, SCOR 20 FireWire camera, short optical train, automatic and manual operation, recommended for 266nm – 1064nm wavelengths.	SP90144
M2-200s-FW-A	M2-200 software, software license, short optical train, automatic and manual operation, recommended for 266nm – 1064nm wavelengths (SCOR 20 camera not included)	SP90145
M2-200sM-FW	Manual mode M2-200 software, software license, SCOR 20 FireWire camera, manual operation with a SCOR 20 FireWire camera (optical train not included)	SP90146
M2-200sM-FW-A	Manual mode M2-200 software, software license, manual operation with a FireWire camera (SCOR 20 FireWire camera and optical train not included)	SP90147
M2-200-10D-VIS	M2-200 software, software license, 10-bit Analog PCI RS-170 Framegrabber card with 8 to 16-bit LVDS Digital, optical train, automatic operation, recommended for 400nm – 700nm wavelengths. (Camera not included) non-RoHS	SP90010
M2-200-10D-NIR	M2-200 software, software license, 10-bit Analog PCI RS-170 Framegrabber card with 8 to 16-bit LVDS Digital, optical train, automatic operation, recommended for 1064nm wavelength. (Camera not included) non-RoHS	SP90011
M2-200-10D-BB	M2-200 software, software license, 10-bit Analog PCI RS-170 Framegrabber card with 8 to 16-bit LVDS Digital, optical train, automatic operation, UV and Near IR wavelengths. (Camera not included) non-RoHS	SP90009
M2-200-FW-VIS	M2-200 software, software license, SCOR 20 FireWire camera, optical train, automatic and manual operation, recommended for 400nm – 700nm wavelengths.	SP90016
M2-200-FW-NIR	M2-200 software, software license, SCOR 20 FireWire camera, optical train, automatic and manual operation, recommended for 1064nm wavelength.	SP90017
M2-200-FW-BB	M2-200 software, software license, SCOR 20 FireWire camera, optical train, automatic and manual operation, UV and Near IR wavelengths.	SP90015
M2-200-FW-A-VIS	M2-200 software, software license, optical train, automatic and manual operation, recommended for 400nm – 700nm wavelengths (SCOR 20 camera not included)	SP90019
M2-200-FW-A-NIR	M2-200 software, software license, optical train, automatic and manual operation, recommended for 1064nm wavelength (SCOR 20 camera not included)	SP90020
M2-200-FW-A-BB	M2-200 software, software license, optical train, automatic and manual operation, UV and Near IR wavelengths (SCOR 20 camera not included)	SP90018
M2-200M-FW	Manual mode M2-200 software, software license, SCOR 20 FireWire camera, manual operation with a SCOR 20 FireWire camera (optical train not included)	SP90029
M2-200M-FW-A	Manual mode M2-200 software, software license, manual operation with a FireWire camera (SCOR 20 FireWire camera and optical train not included)	SP90084
M2-200M-10D	Manual mode M2-200 software, software license, manual operation only, 10-bit Analog PCI RS-170 Framegrabber card with 8 to 16-bit LVDS Digital (optical train not included) non-RoHS	SP90028
M2-200-PIII	M2-200 software, software license for Pyrocam III, manual operation only (Pyrocam III not included)	SP90031

Laser Profiling Kits for high and low power CO2 and YAG lasers		
LPK-YAG-2.5-FW	LBA-FW software, SCOR 20 camera, LBS-100-YAG beam splitter/attenuator, base plate, miscellaneous hardware. Suitable for beams 0.1 to 2.5mm.*	SP90072
LPK-YAG-7-FW	LBA-FW software, SCOR 20 camera, LBS-100-YAG beam splitter/attenuator, 3X telescope, base plate, miscellaneous hardware. Suitable for beams 1.0 to 7mm.*	SP90073
LPK-YAG-16-FW	LBA-FW software, SCOR 20 camera, LBS-100-YAG beam splitter/attenuator, 10X telescope, base plate, miscellaneous hardware. Suitable for beams 3.0 to 16mm.*	SP90074
LPK-YAG-2.5-USB	LBA-USB software, L230 camera, LBS-100-YAG beam splitter/attenuator, base plate, miscellaneous hardware. Suitable for beams 0.1 to 2.5mm.*	SP90168
LPK-YAG-7-USB	LBA-USB software, L230 camera, LBS-100-YAG beam splitter/attenuator, 3X telescope, base plate, miscellaneous hardware. Suitable for beams 1.0 to 7mm.*	SP90169
LPK-YAG-16-USB	LBA-USB software, L230 camera, LBS-100-YAG beam splitter/attenuator, 10X telescope, base plate, miscellaneous hardware. Suitable for beams 3.0 to 16mm.*	SP90170
LPK-CO2-6.4-0.5	LBA-PC-PIII software, Pyrocam III with chopper (PY-III-P-B-10.6), LBS-100-IR-0.5 beam splitter/attenuator, base plate, miscellaneous hardware. Suitable for beams 1.0 to 6.4mm.*	SP90075
LPK-CO2-6.4-5.0	LBA-PC-PIII software, Pyrocam III with chopper (PY-III-P-B-10.6), LBS-100-IR-5.0 beam splitter/attenuator, base plate, miscellaneous hardware. Suitable for beams 1.0 to 6.4mm.*	SP90076
LPK-CO2-16-0.5	LBA-PC-PIII software, Pyrocam III with chopper (PY-III-P-B-10.6), LBS-100-IR-0.5 beam splitter/attenuator, 3X telescope, base plate, miscellaneous hardware. Suitable for beams 3.0 to 16mm.*	SP90077
LPK-CO2-16-5.0	LBA-PC-PIII software, Pyrocam III with chopper (PY-III-P-B-10.6), LBS-100-IR-5.0 beam splitter/attenuator, 3X telescope, base plate, miscellaneous hardware. Suitable for beams 3.0 to 16mm.*	SP90078
	* Maximum beam size assumes zero diffraction from the wings of the beam. Beams of up to 1.5X the maximum size can be applied with minimal diffraction. Beams of up to 2X the above size can be applied, but noticeable diffraction will occur.	
YAG Focal Spot Analyzer accessory	Screw on accessory to beam splitter system which allows user to look at focal spots of YAG lasers of up to 400W average power. The set consists of an AR coated for 1064nm and a dielectric full reflector for 1064nm 45deg incidence and well as other components. See below under imaging systems for details	SPZ17021