

focuslux

high power

The focuslux high power is used to measure beam profiles of the focussed laser beam in the high power range, in situations such as directly in material processing systems. ”



Focus monitor

Beam profiler for quick measurement of laser spots in the high power range.

You'll benefit from:

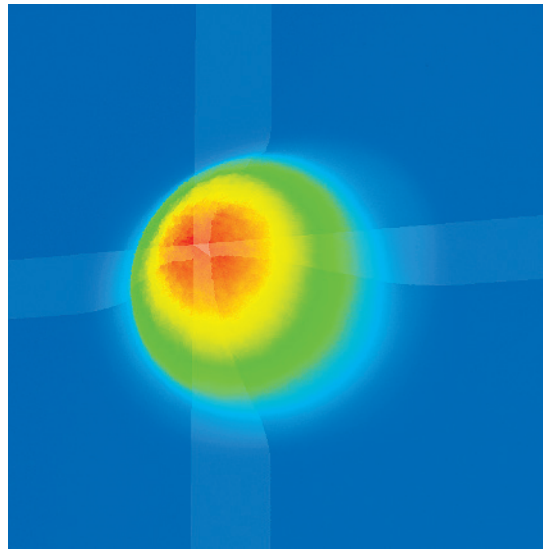
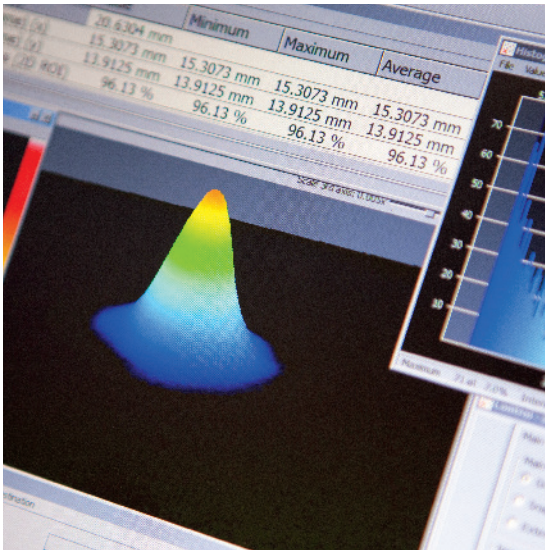
- + Quick measurement of laser beams of the highest power levels
- + Compact design: Assembly directly on the manufacturing system and on industrial robots

Design & technology

- Compact solution: Robust housing, imaging optics, attenuator, absorber module (for longer measurements)
- Large diameter of the optics guiding the beam
- Filter modules open up a wide range of dynamics on the power densities to be measured
- Coatings optimized for aberration-free imaging
- Motorized protective lid for process-controlled opening
- Integrated measurement system for working temperature and protective lid

Use

- Measurement of laser spots of the highest power levels (up to 6 000 W)
- Working spectral range: 1030 nm – 1070 nm (can be optionally expanded)
- Use in the immediate area around the production facility
- Intended for all industrial production systems



Dimensions and interfaces

Beam entrance aperture	Protective glass, protective lid
Digital interface	Ethernet, Profinet
Dimensions (basic device)	approx. 225 mm × 126 mm × 90 mm (L × W × H)
Weight	approx. 4 kg
Conformity	CE, RoHS, REACH

Applications: Focus measurement, high power laser, power measurement by sensor calibration, caustic measurements

Laser power	< 6 000 W
Beam size	70 μm – 5 mm (without additional optics/modules)
Magnification	1x to 10x (depending on the module)
Wavelengths	1030 – 1070 nm
Measurement duration	10 – 500 ms