



## Prism Attenuator - Technical Data -

The modular prism attenuator is an add-on to the standard CinCam Beam Profiler. It is based on two uncoated fused silica wedges and is designed for pre-attenuation high intensive laser beams. The technical principle is based on the polarization effect by reflection on an optical surface. The s-pol. and p-pol. parts of the laser beam have different reflection factors. Cause of the orthogonally arrangement of the wedges, the polarization effect is compensated and the laser beam is neutrally attenuated.

The prism attenuator can be used up to intensities of 2GW/cm<sup>2</sup> for pulse wave and 25kW/cm<sup>2</sup> for continuous wave. It can be combined with neutral density filters for final power adjustment to the beam profiler sensitivity level. The high performance optical design in compact housing allows precise beam attenuation.

	PA-12-2x-100	PA-12-2x-200
Spectral range:	190nm - 2.000nm	190nm - 2.000nm
Wedge material:	Uncoated fused silica	Uncoated fused silica
Free aperture:	Ø=15mm	Ø=15mm
Power (P <sub>max</sub> ):	<100W	<200W
Intensity (I <sub>max</sub> ) cw:	<20kW/cm <sup>2</sup>	<20kW/cm <sup>2</sup>
Intensity (I <sub>max</sub> ) pulsed:	2GW/cm <sup>2</sup> / 30J/cm <sup>2</sup> @ 15ns, 1Hz	2GW/cm <sup>2</sup> / 30J/cm <sup>2</sup> @ 15ns, 1Hz
Dimensions:	40mmx40mmx80mm	40mmx40mmx80mm

Design and specification of the described product(s) are subject to change without notice.

