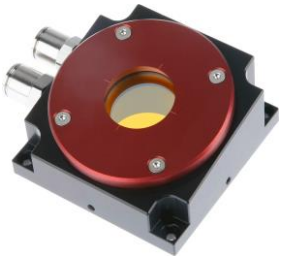


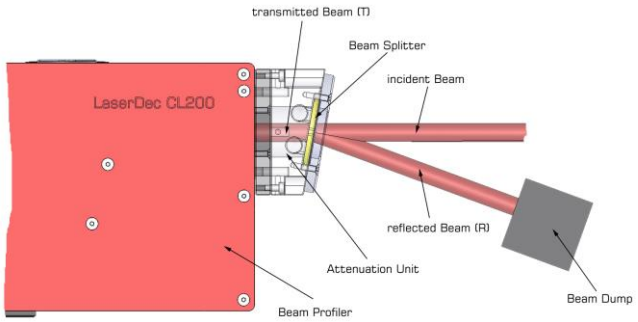
Attenuation Unit 0°
- Technical Data -

The attenuation unit is based on a zinc selenide (ZnSe) beam slitter and can be mounted in four positions on the LaserDec aperture. It is designed for a 10° angle of incidence and can be used up to intensities of 4kW/cm². The absorbed heat is dissipated by cooling water whereby thermal lens effects are eliminated. The water-cooling allows the utilization of lasers up to powers of 2kW. To avoid interference patterns the beam splitter is designed as wedge angle.

	AU-05-0	AU-10-0	AU-15-0	AU-20-0
Spectral range*:	10.6µm	10.6µm	10.6µm	10.6µm
Transmission rates*:	T=5%	T=10%	T=15%	T=20%
Angle of incidence:	10°	10°	10°	10°
Aperture:	∅=25mm	∅=25mm	∅=25mm	∅=25mm
Beam diameter (1/e²) LaserDec CL200:	max. 10mm	max. 10mm	max. 10mm	max. 10mm
Beam diameter (1/e²) LaserDec CL500:	max. 15mm	max. 15mm	max. 15mm	max. 15mm
Wedge angle:	6-10min	6-10min	6-10min	6-10min
Surface:	S1=plan - 95%R S2=plan - AR	S1=plan - 90%R S2=plan - AR	S1=plan - 85%R S2=plan - AR	S1=plan - 80%R S2=plan - AR
Intensity (I_{max}):	4kW/cm²	4kW/cm²	4kW/cm²	4kW/cm²
Power (P_{max}) LaserDec CL200:	2kW	2kW	1.5kW	1kW
Power (P_{max}) LaserDec CL500:	2kW	2kW	2kW	2kW
Water-cooling:	2l/min / 2bar	2l/min / 2bar	2l/min / 2bar	2l/min / 2bar
Hose diameter:	OD=8mm	OD=8mm	OD=8mm	OD=8mm

* Different parameters on request

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



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