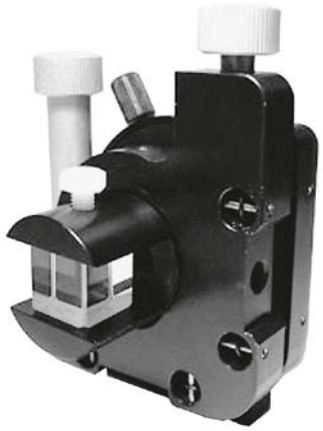
CONTINUOUSLY VARIABLE ATTENUATOR / BEAMSPLITTER – 990-0060

Features

- Divides laser beam into two beams of manually adjustable intensity ratio
- Convenient 90° angle between reflected and transmitted beams
- Negligible beam deviation
- Large dynamic range
- Broadband transmission
- Weight – 0.16 kg

Continuously Variable Attenuator/ Beamsplitter is designed to be used for laser pulses as short as 100 fs. It consists of 2 high-performance polarizing optics components placed in precision opto-mechanical holder 840-0197. Variable attenuator/beamsplitter incorporates a high-performance Polarizing Cube Beamsplitter which reflects s-polarized light at 90° while transmitting p-polarized light.

A rotating λ/2 waveplate is placed in the incident polarized laser beam. The intensity ratio of those two beams may be continuously varied without alteration of other beam parameters by rotating the waveplate. The intensity of either exit beam, and their intensity ratio, can be controlled over a wide dynamic range. Pure p-polarization could be selected for maximum transmission, or pure s-polarization for maximum attenuation of the transmitted beam.



ACHROMATIC AIR-SPACED WAVEPLATE AND HIGH POWER BROADBAND CUBE POLARIZING BEAMSPLITTER

Specifications

Extinction ratio	Ts/Tp < 1:200
Clear aperture	11 mm

for Broadband Region

Central wavelength, nm	LDT, J/cm²	Catalogue number	Price, EUR
450-680	1 [1)]	990-0060-11VIS	1060
700-1000	2 [2)]	990-0060-11IR	1060

[1)] LDT measured at 532 nm, 10 Hz, 10 ns pulses.
[2)] LDT measured at 1064 nm, 10 Hz, 10 ns pulses.

MULTIPLE ORDER HALF WAVEPLATE AND HIGH POWER CUBE POLARIZING BEAMSPLITTER

Specifications

Extinction ratio	Ts/Tp < 1:500
Clear aperture	11 mm

Central wavelength, nm	LDT, J/cm² *	Catalogue number	Price, EUR
1064	15	990-0061-11	740
1030	15	990-0062-11	740
800	8	990-0063-11	740
532	6	990-0064-11	740
355	3	990-0065-11	770

* LDT measured at designed wavelength, 10 Hz, 10 ns pulses.

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