

COMPACT VARIABLE LASER POWER ATTENUATOR – 990-0076

Features

- Attenuation range for reflected beam: 2% – 99.9%
- Attenuation range for transmitted beam: 0.1% – 98%
- Convenient 90° angle between reflected and transmitted beams
- No beam shift at exit



990-0076 Variable Attenuator incorporates a high-performance polarizing cube beamsplitter which reflects s-polarized light at 90° while transmitting p-polarized light. A rotatable $\lambda/2$ waveplate is placed in the incident polarized laser beam.

The intensity ratio of the two outgoing beams may be continuously varied without alteration of other beam parameters by rotating the half waveplate. The intensity of either exit beam, or 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 reflection.

Specifications

Clear aperture diameter	10 mm
Polarization contrast	>1:1000
Weight	0.1 kg

Wavelength, nm	LIDT	Catalogue number
343	3 J/cm ² @ 355 nm, 10 Hz, 10 ns	990-0076-343
355	3 J/cm ² @ 355 nm, 10 Hz, 10 ns	990-0076-355
515	6 J/cm ² @ 532 nm, 10 Hz, 10 ns	990-0076-515
532	6 J/cm ² @ 532 nm, 10 Hz, 10 ns	990-0076-532
1030	15 J/cm ² @ 1030 nm, 10 Hz, 10 ns	990-0076-1030
1064	15 J/cm ² @ 1064 nm, 10 Hz, 10 ns	990-0076-1064

