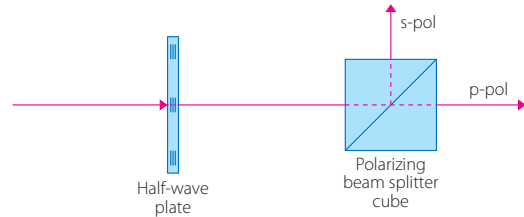


Watt Pilot - Motorized Attenuator, Standard Version



Crystals

Lasers

Description

Standard version incorporates a rotating quartz $\lambda/2$ phase Waveplate and Polarizing Cube Beam Splitter which separates s-polarized and p-polarized beams. The intensity ratio of these two beams is continuously tuned by rotating the waveplate. Pure p-polarization should be selected for maximum transmission, and pure s-polarization - for maximum attenuation.

Watt Pilot is essential in systems, where stable laser power adjusting is necessary. Despite the stand alone device look, Motorized Watt Pilot is very compact and it can be easily integrated in custom optical system.

Features

- Available in high power and medium power versions.
- Aperture up to 50 mm available
- Convenient 90° angle between reflected and transmitted beams
- Negligible beam deviation

Standard specifications

Clear aperture	10 mm
Bandwidth	Up to ± 10 nm
Optimization	Transmission/ reflection mode
Typical application	CW medium power lasers and LDs High power CW and pulsed lasers, LDs
Damage threshold	Medium power: $>0,3 \text{ J/cm}^2$ 10 Hz, 10 ns, 1064 nm High power: $>20 \text{ J/cm}^2$ 10 Hz, 10 ns, 1064 nm
Dimensions	91x63x70 mm
Time between min and max attenuation	3 sec
Resolution	41.54 arcsec/step
Step accuracy in full rotation	± 4 steps
Backlash	± 4 steps

Manual version of Watt Pilot model costs 750 € less than the motorized model found in the catalogue.