

HIGH ENERGY LASER BEAM ATTENUATOR

- ✓ 레이저 빔 세기 안정도 유지
- ✓ 레이저 빔 펄스폭 안정도 유지
- ✓ 레이저 빔 공간 분포도 유지



Key Features

1#

Laser Beam의 공간분포, 펄스폭, 출력 안정성의 변화 없이 Beam 세기만을 정교하게 조절

2#

Motorized
(USB control or RS-232 control)

3#

Any laser wavelength
(193nm ~ 2500nm)

4#

PC control or Remote box control

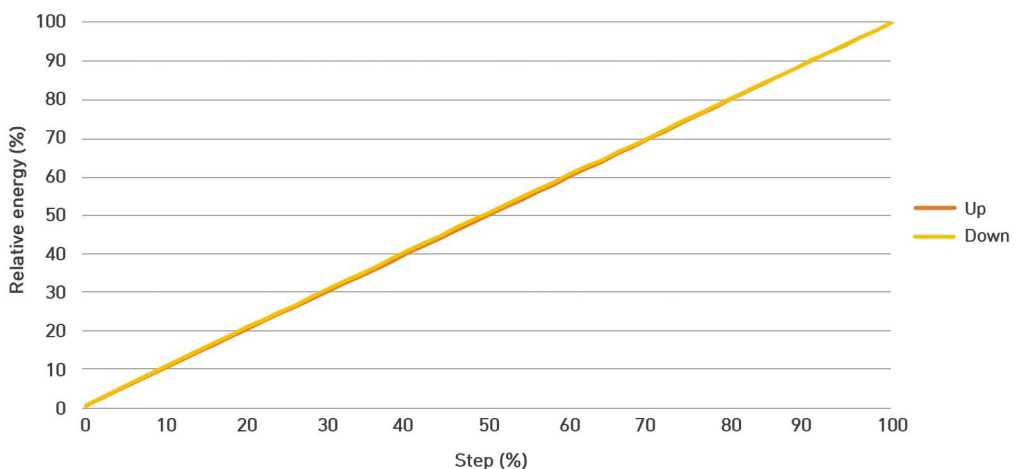
5#

High damage threshold
>20J/cm², 10ns
10Hz at 1064nm

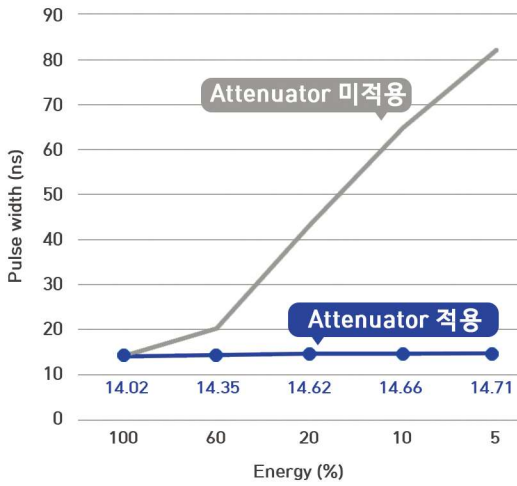
SPECIFICATION

Wavelength	Any single wavelength between 193nm ~ 2500nm
Clear aperture	Ø12mm
Extinction Ratio	>200:1
Transmittance	<0.1% ~ >95% @1064nm
Min/Max rotation time	<0.2sec
Damage Threshold	>20J/cm ² , 10ns, 10Hz @1064nm
Resolution	1000steps (0.1%) (Optional higher resolution upon request)
Communication	RS-232 or USB

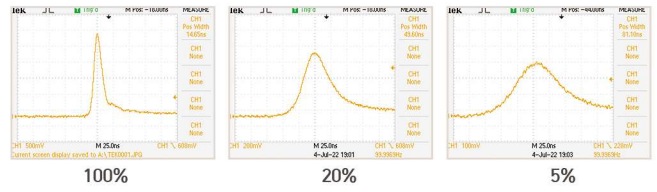
STEP vs RELATIVE ENERGY



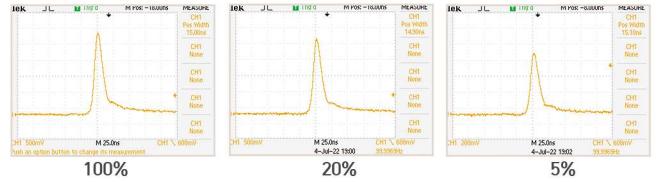
PULSE WIDTH STABILITY @ 1064nm



Attenuator 미적용

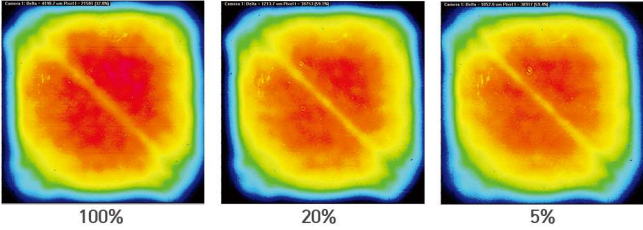


Attenuator 적용

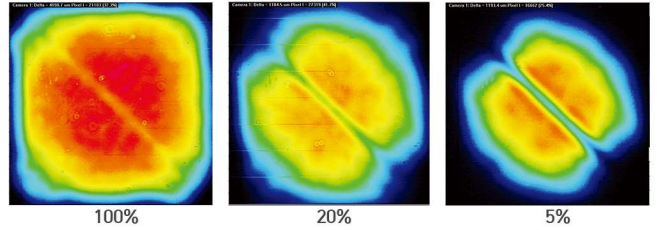


BEAM PROFILE @ 1064nm

Attenuator 적용



Attenuator 미적용



PULSE TO PULSE STABILITY @ 1064nm

Attenuator 미적용 시 출력 조절 방법 : Diode Q-switch delay

