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Glan Laser Polarizer



Glan Laser Polarizer is designed specifically for high energy laser. It is made of two same birefringence material prisms that are assembled with an air space. The polarizer with two escape windows allows ...

Glan Laser Polarizer

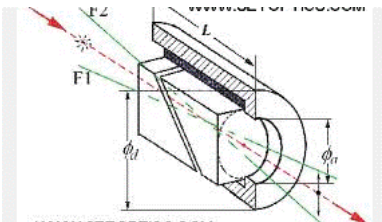
Glan Laser Polarizer is designed specifically for high energy laser. It is made of two same birefringence material prisms that are assembled with an air space. The polarizer with two escape windows allows the rejected beam to escape out of the polarizer which makes it suitable for high power laser.

Glan-Laser Polarizer is a Glan-Taylor Polarizer that is specifically designed to deal with high-energy laser light. Glan-Laser polarizers are manufactured from select calcite, a-BBO, YVO4 crystals that must pass a laser scattering sensitivity test. Glan-Laser polarizers are ideal for applications requiring extremely high polarization purity, high damage threshold, and a broad wavelength range. Two polished side exit ports are provided to allow bidirectional use of the glan-laser polarizer. These side ports also ensure that the rejected light from high power lasers can safely

exit the glan-laser polarizer.

Glan Laser Polarizer Features:

- Air-Spaced
- Close to Brewster's Angle Cutting
- High Polarization Purity
- Short-Length
- Suitable for High Power Application



Glan Laser Polarizer Specifications:

Material:	α-BBO, Calcite or YVO4
Wavelength Range:	α-BBO : 200-3500nm, Calcite : 350-2300nm, YVO4 : 500-4000nm
Extinction Ratio :	α-BBO : <math><5 \times 10^{-6}</math>, Calcite : <math><5 \times 10^{-5}</math>, YVO4 : <math><5 \times 10^{-5}</math>
Surface Quality :	20-10
Beam Deviation:	<math><3</math> arc minutes
Wavefornt Distortion:	<math>\lambda 4@633\text{nm}<="" math><="" td=""> </math>\lambda>
Damage Threshold :	> 500MW/cm ²
Coating :	Single Layer MgF ₂
Holder :	Black Anodized Aluminum

BBO Glan Laser Polarizers

Par. No.	Wavelength Range(nm)	Extinction Ratio	Angular Field(°)	C.A.(φa)±0.1 (mm)	O.D.(φd)±0.1 (mm)	L±0.1 (mm)
PGL6206	200-270nm (Coating@245nm)	<5×10 ⁻⁶	> 6.0°	6.0	15.0	29.0
PGL6208				8.0	25.4	31.0
PGL6210				10.0	25.4	31.0
PGL6215				15.0	30.0	38.6
PGL6220				20.0	38.0	48.9
PGL6306	300-700nm (Coating@532nm)	<5×10 ⁻⁶	> 6.0°	6.0	15.0	25.0
PGL6308				8.0	25.4	25.0
PGL6310				10.0	25.4	26.0
PGL6315				15.0	30.0	33.4
PGL6320				20.0	38.0	43.6
PGL6706	700-2300nm (Coating@1064nm)	<5×10 ⁻⁶	> 6.0°	6.0	15.0	23.0
PGL6708				8.0	25.4	24.7
PGL6710				10.0	25.4	25.9
PGL6715				15.0	30.0	33.0
PGL6720				20.0	38.0	43.6

Calcite Glan Laser Polarizer

Par. No.	Wavelength Range(nm)	Extinction Ratio	Angular Field(°)	C.A.(φa)±0.1 (mm)	O.D.(φd)±0.1 (mm)	L±0.1 (mm)
PGL7006	350-2300nm (Coating@1064nm)	<5×10 ⁻⁵	> 7.7°	6.0	15.0	21.0
PGL7008				8.0	25.4	24.5
PGL7010				10.0	25.4	26.2
PGL7015				15.0	30.0	33.3
PGL7020				20.0	38.0	42.3

YVO4 Glan Taylor Polarizer

Par. No.	Wavelength Range(nm)	Extinction Ratio	Angular Field(°)	C.A.(φa)±0.1 (mm)	O.D.(φd)±0.1 (mm)	L±0.1 (mm)
PGL8006	500-4000nm (Coating@1300nm)	<5×10 ⁻⁶	> 6.5°	6.0	15.0	15.5
PGL8008				8.0	25.4	19.0
PGL8010				10.0	25.4	22.5
PGL8015				15.0	30.0	31.0

Order based on client requirement, including non-standard product and holder.

High Power Laser Glan Prisms, linear polarized light, calcite, alpha-BBO High, Energy, Glan, Laser, Polarizers.

China A-Star Factory direct supplier of Glan Laser Polarizer, YVO4 Glan Taylor Polarizer, Calcite Glan Laser Polarizer .