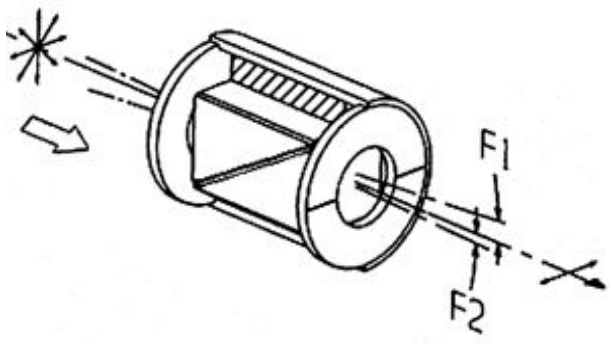
Glan -Thompson UV Polarizers

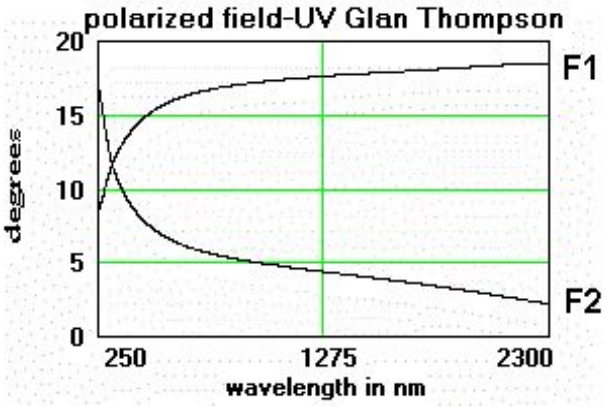
Calcite Polarizer

The UV Glan Thompson prism polarizer is made of two calcite prisms cemented together with UV transmitting cement. It has a length to aperture ratio of approximately 2.0 : 1. It is made of UV selected calcite. A 10mm thick calcite plate having 50% or less absorption at 250nm is considered UV selected. Spectral range of this polarizer is from 250 to 2300nm. Below 250nm, Transmission cut off wavelength varies from crystal to srystal.



Specifications

A grade calcite	: quarter to one wave wavefront deformation @ 633nm due to striae only
S grade calcite	: quarter wave wavefront deformation @ 633nm due to striae only
Surface flatness	: at least quarter wave @ 633nm over the clear aperture
Surface quality	: 40-20 scratch dig
Transmission (uncoated)	: 25-30% at 250nm, 40-45% at 300nm, 70-75% at 400nm, 83-87% at > 500nm



Glan Thompson - Ultra Violet

Catalog Number	Clear Aperture Diameter (mm)	Mount Dimensions (Inches)		Remarks
		Outside Diameter +/- .0015	Length +/- .007	
MUGTA 8	8	0.873	1.000	Grade A Extinction 1 x 10^{-4} Beam Deviation 3 Arc Minutes
MUGTA 10	10	0.998	1.115	
MUGTA 12	12	1.123	1.250	
MUGTA 14	14	1.373	1.500	
MUGTS 8	8	0.873	1.000	
MUGTS 10	10	0.998	1.115	Grade S Extinction 5 x 10^{-5} Beam Deviation 3 Arc Minutes
MUGTS 12	12	1.123	1.250	
MUGTS 14	14	1.373	1.500	