

## GLAN-TAYLOR LASER POLARISING PRISMS

- Transmit a linearly polarised extraordinary beam without deviation from its initial direction
- Reflect an ordinary ray out of the prism into either the black glass or the escape port
- Air-spaced prisms
- Available with two, one or no escape ports in mounts for extra power capacity

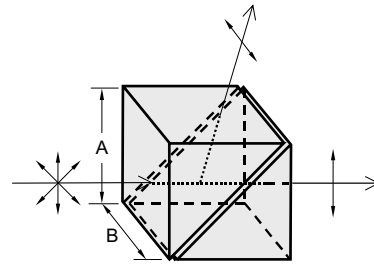
Glan-Taylor laser polarisers are manufactured from the finest optical grade natural calcite. They are useful in applications requiring a high degree of polarisation purity, high total transmission and low, medium or high power requirements.

*We also provide Glan Laser, Glan Thompson, Beamsplitting Thompson prisms, Beam Displacers, Laser Polarising Beamsplitters, etc.*

*Please call or write for further information.*

### HOUSING ACCESSORIES

- Polariser Holders  
840-0180  
See page 3.69 for more information.



### SPECIFICATIONS

Material	Natural calcite
Surface quality	80–50 scratch & dig
Wavelength range	220–2300 nm
Extinction ratio	1:10 <sup>5</sup>

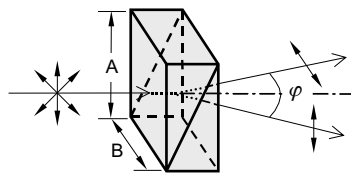
Catalogue number	Standard dimensions A × B, mm	Price, EUR
440-2010	10 × 10	422
440-2012	12 × 12	525
440-2014	14 × 14	567
440-2020	20 × 20	1211

*Other size, better quality, different spectral ranges or AR coatings are available on request.*

## WOLLASTON PRISMS

- Split a beam into two orthogonally polarized divergent beams
- Made from the finest optical grade natural calcite

Wollaston prism polarisers consist of two equal calcite prisms. Both output beams are almost equally deviated. Angular separation of output beams depends on wavelength. The use of highest grade calcite provides useful transmission covering the 300–2200 nm range.



### SPECIFICATIONS

Material	Natural calcite
Surface quality	80–50 scratch & dig
Wavelength range	300–2200 nm
Extinction ratio	1:10 <sup>5</sup>
Separation angle	10 or 20 deg
Dimension tolerance	±0.25 mm

Catalogue number	Standard dimensions A × B, mm	Beam separation φ, deg	Price, EUR
450-2101	10 × 10	10	428
450-2121	12 × 12	10	517
450-2141	14 × 14	10	545
450-2102	10 × 10	20	468
450-2122	12 × 12	20	555
450-2142	14 × 14	20	582

*Other sizes, better quality, different spectral ranges or AR coatings are available on request.*

### MOUNTING



We can supply prisms mounted in a black aluminium mount M2P with two escape ports. The mount fits our polariser holders 840-0180, 840-0185, 840-0195.

To order a Glan-Taylor or Wollaston prism with a mount or with a AR coating, add the mount code M2P or the coating code to the catalogue number, and add the mount or coating cost to the prism price.