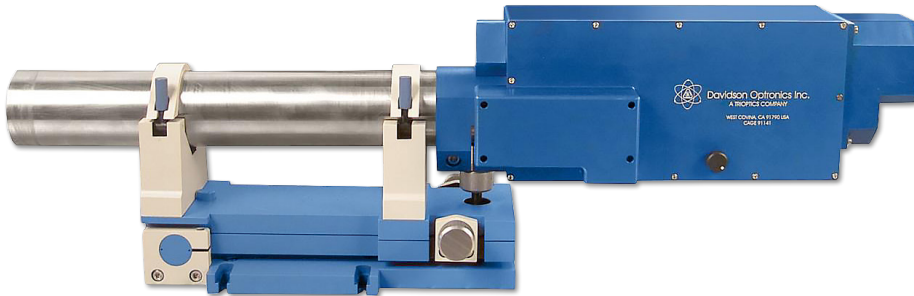


Davidson Optronics

A TRIOPTICS COMPANY

Putting Your Future in Focus

Automatic Alignment Telescope | D-275-AAT



The Model D-275-AAT Automatic Autocollimating Alignment Telescope focuses from 16 inches (40cm) to infinity, to align and measure the location and angular orientation of any number of targets along its optical axis. Since the mechanical axis of the tube and the optical axis of the instrument are parallel within 3 arc seconds, the instrument is easily adaptable to mounts, jigs, stages, and various setups and setups using a dial indicator.

A reflective surface may be established normal to the optical axis by utilizing the autocollimating feature. The Model D-275-AAT provides the flexibility to align most complex optical assemblies and beam paths.

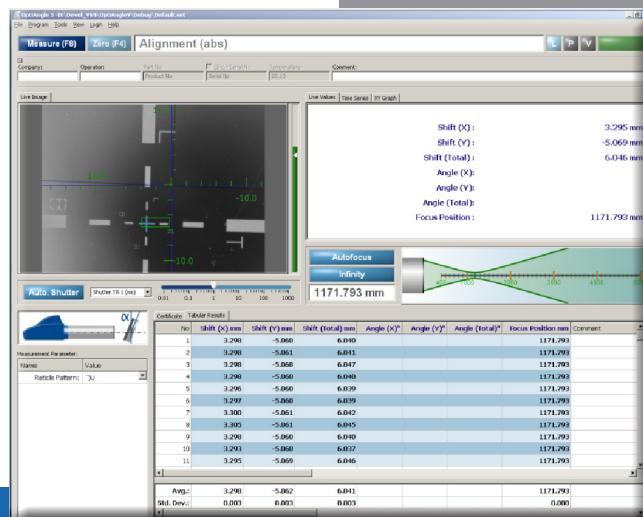
- Only fully Automated Telescope for Alignment and/or Measurement of 5 axes of components in optical beam paths and subassemblies
- Remotely controllable using TCP/IP
- Easy to use software
- Calibration certified & traceable to NIST standards

APPLICATIONS

- Telescope Alignment
- Laser Cavity Alignment
- Complex Optical System Alignment
- Alignment of Beam Delivery Systems

Optional Accessories

- Options for Adjustable Instrument Stands
- Multiple Target Options Available
- Mounted Cubes & Prisms
- Laboratory Tip/Tilt Stages



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Specifications	
Focusing Range:	16" (400mm) to infinity
Clear Aperture:	35 mm
Collimator Focal length:	185.4 mm (at 400 mm distance) to 264.3 mm (at infinity)
Resolution:	0.05 arc seconds
Field of View:	26" at 100 feet (660mm at 30m)
Light Source:	Variable intensity superbright green LED (Other wavelengths available)
Computer Platform:	Mini Desktop w/Microsoft Windows 7
Line Power:	110V, 60 Hz or 220V, 50 Hz
Telescope Tube:	2.25" \pm 0.00025" (57.15mm) diameter (Designed to fit NAS-900 Spherical Mount). Tube is concentric to the optical axis with a 0.0003" runout at 16" (7.6 μ m at 400mm) and a 0.003" runout at Infinity. (76 μ m at Infinity)
Housing Finish:	Light Blue Anodized
Carrying Case:	Ruggedized and padded for protection and transit
Instrument Weight:	17.6 lbs. (7.98)
Accessories Weight:	19 lbs. (8.62 kg)
Shipping Weight:	80 lbs. (36.3kg)



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