

Davidson Optronics

A TRIOPTICS COMPANY

Putting Your Future in Focus

Two Axis Autocollimator | D-660



The Model D-660 straight through Two Axis Autocollimator is capable of repeating angular measurements to ± 0.1 arc second. The two micrometer readout dials are independent of each other and have separate eyepieces for reading their scales. The standard 2.249 inch (57 mm) diameter barrel makes interchanging this instrument with other mounts or using V-blocks easy. With the Model D-165 High Intensity Light Source, Fiber Light Guide and Adaptor the Model D-660 can also measure uncoated parts.

- **Standard 2.249 inch (57 mm) diameter barrel**
- **Dark line bright field reticles**
- **Separate readout dials for each axis**
- **Certification of accuracy to NIST**

Optional Accessories

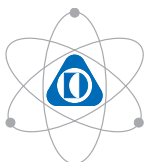
- **D-165 High Intensity Light Source (may be required when autocollimating off of low reflectivity surfaces or small mirrors)**
- **D-247 Table Instrument Stand**
- **D-254/ D-276/ D-277/ D-295 Adjustable Instrument Stands**
- **D-416B 220V 50Hz Power Supply**
- **104-0160 Autocollimator Alignment Aide**
- **105-2830 220V 50Hz Power Supply**

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Specifications	
Accuracy:	0.5 arc sec over any 1 minute increment. ± 2.0 arc sec over the total 10 min measuring range
Axis:	Two
Sensitivity:	0.1 arc sec
Measuring Range:	10 arc min ± 5 ft (± 1.5 m)
Dial Scale:	One revolution equals 60 arc sec graduated to 0.1 arc sec
Reticle:	30 arc sec increments numbered 0-10 arc min. Projected reticle is filer/bifilar (dark line, bright field)
Objective Lens:	1.8 inch (46 mm)
Light Source:	115V/ 60Hz or 220V/ 50Hz – variable 6 to 9 volts DC
Barrel Diameter:	2.249 inch (57 mm) made from steel with hard chrome plate (designed to fit NAS-900)
Housing:	Ivory enamel
Overall Length:	18.75 inch (476 mm)
Carrying Case:	Finished hardwood, fitted for instrument and power pack
Weight:	13 lbs (5.9 kg)
Shipping Weight:	24 lbs (10.9 kg)



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