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Find the *Davidson Optronics D-691* at our website: ***Click HERE***

Davidson Optronics
A TRIOPTICS COMPANY

D-691 Laser Alignment Autocollimator

- Monitors alignment of laser system
- Wide angle (one degree) field
- 5 arc second nulling sensitivity
- Economical cost permits permanent installation in laser fixtures



The Model D-691 Laser Alignment Autocollimator is economical enough to be permanently installed in deliverable laser systems or use in house as a Laser Alignment Autocollimator. The instrument incorporates such features as a wide angle field (one degree), average nulling sensitivity of 5 arc seconds, and autocollimating from small reflectors. It comes complete with a power pack.

The Model D-691 is designed to provide an accurate and convenient means of determining angular deviation of an external reflector simultaneously in azimuth and elevation. The D-691 is readily adaptable to any situation requiring an accurate and extremely compact instrument to monitor angular offset. Deviations from initial settings are determined at a glance by sighting through the eyepiece and noting the related positions of the straight through and right angle reticles.

The Model D-691V incorporates a video option with the alignment telescope, allowing the user to view the image of objects and alignment patterns on a video monitor. The D-691V includes a video camera, monitor, relay lens, mounting brackets and all connecting cables.

2223 West San Bernardino Road, West Covina, California 91790
(626) 962-5181 FAX (626) 962-5188 http://www.davidsonoptronics.com E-mail: sales@davidsonoptronics.com
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Specifications:

Sensitivity:		Nulls to 5 arc sec
Measuring range:		1° at 3 ft (1 m) ±4 arc min at 20 ft (6 m)
Aperture Diameter:		0.9 inch (23 mm)
Eyepiece Magnification:		12X (24X available)
Focal Length:		5 inch (127 mm)
Eyepiece Reticle:		3 arc sec wide crosshair
Projected Reticle:		Dark field with 50 arc second diameter bright dot
Light Source:		Incandescent lamp with D-416, 6 VDC variable power supply 110V/ 60Hz or 220V/ 50Hz
Barrel Material:		Hardened and polished Stainless Steel
Overall Dimensions:	**Barrel Diameter:**	1.5 inch (38 mm) concentric to optical axis
	Height:	2.12 inch (54 mm)
	Length:	7.5 inch (190 mm)
Instrument Weight:		2 lbs (0.9 kg)
Shipping Weight:		4 lbs (1.8 kg)

Optional Accessories:

- D-165 High Intensity Light Source (may be required when autocollimating off of low reflectivity surfaces or small mirrors)
- D-212 Adjustable Instrument Stand
- D-266 Angle Checker
- D-416B 220V 50Hz Power Supply
- 104-0160-691 Autocollimator Alignment Aide
- 105-2761-691 Video Subsystem (included with D-691V)

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