

HOME

ABOUT US

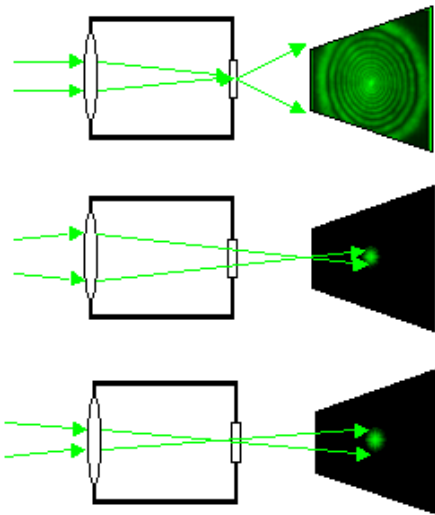
PRODUCTS

MEDIA

CAREER OPPORTUNITIES

Models

EXPRESS COLLIMATOR (X-COLLIMATOR)



The X-Collimator has been developed for testing collimation of laser beams and quick alignment of optical systems to get the best collimation.

The device outputs a strongly diverging beam with typical pattern consisting of a number of concentric rings. Both the divergence and the number of rings are maximum when the best collimation is obtained.

Simply observing for the changes in the divergence of the beam at the output of the device while aligning lenses allows achieving the best collimation of a system of lenses within seconds.

The X-Collimator also allows visual monitoring and evaluation of divergence, quality and peak power density of laser beams.

Device feature	Feature value	Note
Average power	1 mW – 1 W	Specify range, cw or quasi-cw
Wavelengths	0.4 mm – 1.5 mm	Requires IR viewer for IR operation
Precision	10-3 – 10-5 rad	Varies with beam quality, wavelength, and required power range
Weight	100 - 300 g	Varies for different models
Length	2" – 4"	May vary for different models
Power supply	None	
Model	XC-1" Aperture	\$350
	XCA-1" Aperture	\$680
	XC-2" Aperture	\$420
	XC-1"Aperture	\$1,050
Lead time	2-3 weeks	

N.V. Tabiryan, V. Jonnalagadda, M. Mora, S. R. Nersisyan, Laser beam and optics characterization with "z-scan" method, Proc. SPIE 4932, 656-666 (2003).

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