

» WFOV

Wide Field of View Collimator

Distribution in the UK & Ireland



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The wide field of view IR test collimator, is used to test thermal imagers in their wide field of view mode of operation. Typical applications include navigational FLIR's and commercial imagers.

CI's unique compact WFOV is an IR collimator combined with an accurate IR source (CI's SR 800-2D) and a target wheel. The WFOV provides the means to perform IR testing such as; MTF, NETD, MRTD etc.

Blackbody temperature and target wheel position can be manually controlled using the blackbody controller or using a computer via the IEEE-488 or RS232 communication. The WFOV is fully compatible with CI's Automatic FLIR Test Software.

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» FEATURES

- ▶ Low cost
- ▶ High optical quality
- ▶ Easy to operate
- ▶ Rugged construction
- ▶ Easy to align
- ▶ Automatic testing capability

» SPECIFICATIONS

Collimator

Spectral Range	3-5 μ m	8-12 μ m
Type	Refractive	
FOV	11°	
Clear Aperture	Ø100 mm	
E.F.L.	100 mm	
Resolution	3 cy/mrad	
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SR800 Differential Blackbody

Control modes	Differential and absolute
Differential temperature range	-25°C to +100°C
Absolute temperature range	0°C to 125°C
Resolution of setting and readout	0.001°C
Differential temp. accuracy	0.008C@ $\Delta < 25C$, 0.015C@ $\Delta > 25C$ whichever is greatest

Target Wheel

Target wheel	Motorized, remotely controlled
Number of targets	Up to 12 plates
Control unit	19" rack mountable
Optical head dimensions	260mm x 260mm x 170mm (WxLxH)
Operating temperature	10°C to +35°C

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