



**ELECTRO OPTICAL  
TEST SOLUTIONS**

**TRANSPORTABLE COLLIMATOR FOR THE TEST OF LIGHT ELECTRO-OPTICAL SYSTEMS  
MAINTENANCE OF DAY/NIGHT WEAPON SIGHTS**

# OPAL **M**



[www.hgh-infrared.com](http://www.hgh-infrared.com)



## Main tests:

- ✓ Alignment/boresighting between optical axes
- ✓ Day and Night resolution

## OPTICAL SPECIFICATIONS

Clear aperture	100 mm
Field of view	> 2.2 degrees
Optical quality	Limited by diffraction
Target insertion	Interchangeable, manual insertion, <b>no tool required</b>
Target patterns	Hole for alignment, 4 bar for IR resolution, USAF 1951 for visible resolution
Sources	Integrated blackbody (coming soon: integrated visible source)

## INTEGRATED BLACKBODY

Operation mode	Absolute and <b>Differential</b> with respect to target temperature
Absolute temperature range	+15°C to +40°C
Differential temperature range	-6°C to +20°C
Stability	1 mK
Control interface	Through coloured touch screen and <b>Ethernet link</b> , compatible with Infratest software

## GENERAL SPECIFICATIONS

Dimensions (DxWxH)	746 mm x 188 mm x 365 mm (including handle)
Weight	about 10kg (without transport case)
Transport handle	Yes
Transport case	Yes
Aperture cover	Integrated
Main supply	90-260 VAC 50/60 Hz 200W approx.
Operating Temperature range	+15°C to +35°C