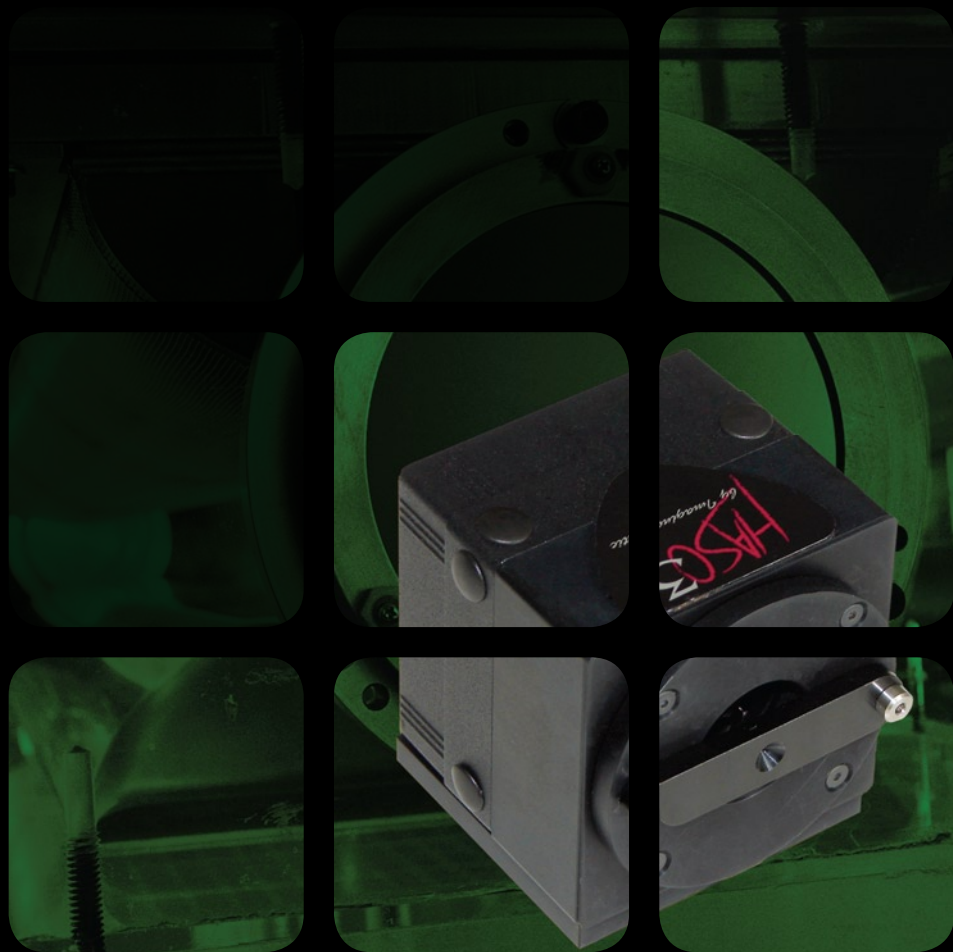


HASO³TM

Wide Spectral Range



Imagine OpticTM

HASO³TM

WSR

(wide spectral range)



HASO3 WSR (Wide Spectral Range) is one of the latest additions to our award winning HASO product family. They combine the standard functionalities that customers have come to rely on, including absolute measurement, wide dynamic range, unequalled accuracy and insensitivity to vibration, with the capacity to measurement wavefronts across an exceptionally wide spectral band, even with monochromatic light.

HASO3 WSR is ideally suited for applications including laser beam characterization (particularly adapted for frequency doubling), optical system metrology over a large spectral band, measuring the effects of chromatic aberrations and aligning laser optics.

	WSR 58-GE
Aperture dimension	8.9 x 11.3 mm ²
Number of sub-apertures dedicated for analysis	58 x 74
Tilt dynamic range	> ± 3 ° (520λ)
Focus dynamic range - minimum local radius of curvature	25 mm
Focus dynamic range - maximum NA	> 0.1
Repeatability (rms)	< λ/200
Wavefront measurement accuracy in absolute mode rms ¹	~ λ/150
Wavefront measurement accuracy in relative mode rms ²	~ λ/100
Tilt measurement sensitivity (rms)	1 μrad
Focus measurement sensitivity (rms)	5.10 ⁻⁴ m ⁻¹
Spatial resolution	~ 160 μm
Maximum acquisition frequency	11 Hz
Processing frequency (CPU 3 Ghz, 512 Mb RAM)	10 Hz
Working wavelength range	350-1100 nm
Calibrated wavelength range	400 - 800 nm or 532 - 1064 nm
Working wavelength range	350 - 1100 nm
Working temperature	15 - 30° C
Dimensions / weight	115x51x60 mm/400 g
Power supply	12 V / 6 W
Interface	Giga Ethernet

1) Difference between the real wavefront and a reference wavefront obtained in similar conditions (10 λ of shift maximum). 2) Wavefront as seen by the wavefront sensor. Performance kept on the whole spectral range.

To learn more and to find a distributor near you, please visit imagine-optic.com or call +33 (0)1 64 86 15 60.



imagine-optic.com