

BEAMAGE-M2

Automated M-squared measurement system. Comes with BEAMAGE-4M, 5 lenses, 3 ND filters, and 2 external beam-steering mirrors.



PRODUCT FAMILY KEY FEATURES

NEW: AUTOMATIC SCAN

With the "RUN M2 SETUP" button, the software automatically defines new parameters for a more precise M^2 measurement. The "ISO SCAN" data set complies with the ISO-11146 M^2 measurement standard, being spread between $-3Z_R$ and $+3Z_R$.

The automatic settings are updated after each calculation, considering the values of Z_0 and Z_R from the latest measurement.

LARGE APERTURES

The only M^2 system on the market equipped with a complete set of 50-mm optics. Also, the sensor is 11.3 x 11.3 mm.

SIMPLE ALIGNMENT

Two beam-steering mirrors are included for quick and easy alignment of your laser into the system. The internal mirrors are factory-aligned and the pre-set height also simplifies the alignment.

COMPACT

The low-profile ingenious mechanics make it easy to fit the device on any optical table.

ISO COMPLIANT

The calculations are fully compliant with the ISO 11146 and 13694 standards.

FAST ACQUISITION

Make a complete, ISO-compliant measurement in only 20 seconds with the ROI feature, and in less than a minute with full-frame acquisition.

FLEXIBLE & INTUITIVE SOFTWARE

In the easy-to-navigate software, both automatic and manual settings are available, so data points can be added or removed even after an automatic scan is completed.

SPECIFICATIONS

MEASUREMENT CAPABILITIES

Spectral range	350 - 1100 nm
Minimum measurable beam	55 μ m
Included filter	3 flip-mount attenuators for 8 levels of attenuation, from none to ND3.5
Sensor technology	BEAMAGE-4M included
Effective aperture	\varnothing 48 mm optics, 11.3 x 11.3 mm sensor
Beam diameter range	55 μ m to 11.3 mm, at the sensor
Mechanical travel range	200 mm
Effective optical path range	400 mm
Lens focal length	5 AR-coated lenses included: 200 mm, 250 mm, 300 mm, 400 mm and 500 mm
Typical M^2 accuracy	\pm 5%, depending on the beam quality and optical configuration
Typical M^2 repeatability	\pm 2%, depending on the beam quality and optical configuration
Applicable light sources	CW and pulsed
Typical measurement time	45 sec with full-frame acquisition
Beam diameter definitions	D4 σ (ISO compliant) 1/e ² along crosshairs (13.5%) FWHM along crosshairs (50%) Custom (%)
Beam quality definitions	Laser beam quality: M2 (ISO-compliant) Beam Propagation factor: BPP

PHYSICAL CHARACTERISTICS

Dimensions	172H x 193W x 602D mm
Weight	6.6 kg

ORDERING INFORMATION

BEAMAGE-M2	203605
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Specifications are subject to change without notice. Refer to the user manual for complete specifications.

INTERESTED IN THIS PRODUCT?

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