

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

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|------------------------------|---|
| 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 (%) |

PHYSICAL CHARACTERISTICS

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

ORDERING INFORMATION

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| 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?

GET A QUOTE

Find your local sales representative at gentec-eo.com/contact-us