

Technical data OptiSpheric® AF 500 INV

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Lens diameter ¹⁾	5 mm ... 75 mm
EFL (Effective Focal Length), relative MTF: range	+5 mm ... +500 mm ³⁾
EFL, relative MTF: measurement accuracy ²⁾	5 mm ... 25 mm: 0.1 % ... 0.3 % 25 mm ... 500 mm: 0.03 % ... 0.1 % 500 mm ... 1000 mm: 0.05 % ... 0.3 %
EFL, relative MTF: measurement time	First measurement: 5 s ... 8 s consecutive measurements : 3 s ... 5 s
BFL, FFL, radius: range	+5 mm ... +490 mm
BFL, FFL, radius: repeatability ²⁾	0.02 % ... 0.2 %
BFL, FFL, radius: accuracy ²⁾	0.03 % ... 0.3 %
MTF up to 150 lp/mm: range	5 mm ... 75 mm EFL (Effective Focal Length)
MTF up to 150 lp/mm: test mode	Axial MTF measurement automatic auto focus
MTF up to 150 lp/mm: spatial frequency	0 lp/mm ... 500 lp/mm
MTF up to 150 lp/mm: repeatability ²⁾	1 %
MTF up to 150 lp/mm: accuracy ²⁾	2 %
Wavelength	546 nm ⁴⁾
Dimensions (h x w x d)	1,950 mm x 1,205 mm x 700 mm
Weight	280 kg
Type	Stand alone device

1) Sample holder for other lens diameters upon request

2) Depending on NA of sample; higher NA reduces accuracy; sample NA should be smaller than NA of the measurement head

3) Negative measurement range upon request

4) Other wavelengths (e.g. 480 nm, 658 nm) upon request