

## NDSET-3

Set of 3 ND filters in SM1 holders: ND1.0, ND2.0, ND3.0.



### KEY FEATURES

#### MANAGE THE LASER POWER

CMOS sensors have low saturation levels as well as low damage thresholds. It is thus very important that you control your laser power to get the best measurement possible and avoid damaging the BEAMAGE camera.

#### STACK AND ATTENUATE AS MUCH AS YOU NEED

These filters reduce the intensity of all wavelengths without affecting the wavefront of the beam or distorting the image. Many filters can be stacked directly on each other.

## SPECIFICATIONS

### MEASUREMENT CAPABILITIES

Spectral range	400 - 1595 nm
Transmittance	See ND1, ND2 and ND3
Equivalent attenuation	See ND1, ND2 and ND3
Parallelism	< 3 arcmin
Optical density tolerance	± 5%
Transmitted wavefront error	< $\lambda/10$ @ 633 nm
Surface quality	40-20 Scratch-Dig

### DAMAGE THRESHOLDS

Maximum average power density	100 W/cm <sup>2</sup>
Maximum energy density	3 J/cm <sup>2</sup>
Maximum power	1 W

### PHYSICAL CHARACTERISTICS

Aperture diameter	22.5 mm
Dimensions	30.5Ø x 11.4D mm
Weight	0.12 kg
Mounting thread	SM1
Clear aperture	90% of area
Dimensional tolerance	+0.0/-0.25 mm
Substrate	See ND1, ND2 and ND3

### ORDERING INFORMATION

NDSET-3	202606
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