

NDSET-3

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



PRODUCT FAMILY 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 ² |
| Maximum energy density | 3 J/cm ² |
| Maximum power | 1 W |

PHYSICAL CHARACTERISTICS

| | |
|-----------------------|-------------------------------|
| Aperture diameter | 22.5 mm |
| Dimensions | 30.5 \varnothing 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 |
|---------|--------|

INTERESTED IN THIS PRODUCT?

GET A QUOTE

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