

BA16K-150S-H5-D0

Optical attenuator, 16 mm Ø, up to 150 W. Includes UP19K-15S-H5-D0.



PRODUCT FAMILY KEY FEATURES

NEW: IMPROVED DESIGN

It is now even simpler to install a BA beam sampler into your optical system. The input and output sides on all BA16 models now include an SM1-threaded aperture and four M4-threaded holes compatible with 30-mm cage systems.

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.

SAMPLE YOUR LASER BEAM

The BA series optical attenuators use Fresnel reflection on two orthogonal wedges to pick off a small fraction of the input beam. The incoming beam polarization state and irradiance are preserved.

MANY POSSIBLE USES

- Monitor power and beam profile simultaneously
- Polarization insensitive beam-splitter with no back-reflections
- Optical pick-off for use with our energy or power detectors
- Attenuator for our high sensitivity detectors like M6 series and PH series

COMPATIBLE STAND

[STAND-S-233](#)

SPECIFICATIONS

MEASUREMENT CAPABILITIES

| | |
|---------------------------|---------------------------------|
| Spectral range | 200 - 2100 nm |
| Equivalent attenuation | 1/1700 |
| Integrated power detector | UP19K-15S-H5-D0 |
| Optical wedges material | UV Fused Silica (uncoated) |
| Residual beam deviation | 5.6° |
| Polarization correction | Yes (pair of orthogonal wedges) |

DAMAGE THRESHOLDS

| | |
|-------------------------------|-----------------------|
| Maximum average power density | 10 MW/cm ² |
| Maximum energy density | 10 J/cm ² |
| Maximum power | 150 W |

PHYSICAL CHARACTERISTICS

| | |
|-------------------|----------------------------|
| Cooling | Convection |
| Aperture diameter | 16 mm |
| Dimensions | 54H x 50W x 86D mm |
| Weight | 0.37 kg |
| Mounting thread | SM1 |
| Adaptor included | SM1 external threaded tube |

ORDERING INFORMATION

| | |
|------------------|--------|
| BA16K-150S-H5-D0 | 203792 |
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INTERESTED IN THIS PRODUCT?

GET A QUOTE

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