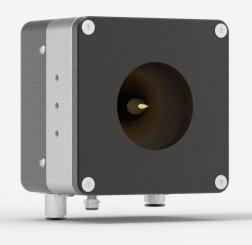


HP60A-10KW-GD-MET-D0

High power detector for laser power measurement up to 10 000 $\rm W$



PRODUCT FAMILY KEY FEATURES

SPECIAL MODEL FOR SMALL BEAMS

Perfect for small beams (with Avg Power Densities up to 10 kW/cm² @ 10 kW).

HIGH POWER HANDLING

Handles up to 30 kW of continuous power with our standard models. Custom models are available for higher powers (See SUPER HP).

STABLE READING

Less sensitive to variations in water cooling temperature than any other high-power water-cooled meter on the market

LARGE APERTURE

Our standard HP models (4KW, 12KW, 15KW and 30KW) have a very large effective aperture of up to 280 mm to accommodate even the largest laser beams. Larger apertures with various shapes are available upon request (See SUPER HP).

AVAILABLE WITH YAG AND CO2 CALIBRATION

All HP Models can be calibrated at YAG and ${\rm CO_2}$ wavelengths with a calibration uncertainty of +/- 5%

DIRECT USB CONNECTION TO A PC

Each head comes with both a DB-15 connector (for use with a Gentec-EO monitor) and a USB2.0 output for direct connection to a PC.

AWARD-WINNING TECHNOLOGY

The HP-BLU series wireless detectors for high-power lasers were recognized among the best by an esteemed and experienced panel of judges from the optics and photonics community at the 2020 Laser Focus World Innovators Awards.



COMPATIBLE STAND

STAND-S-443-C

SPECIFICATIONS

MEASUREMENT CAPABILITIES

Maximum average power (continuous)	10000 W
Minimum average power ¹	300 W
Noise equivalent power ²	10 W
Spectral range	0.8 - 12 μm
Typical rise time	12 s
Power calibration uncertainty	±5 %
Repeatability	±2 %
Back reflections	~ 10 %
Linearity with power	±2 %
Linearity vs beam diameter	±2.0 %
Linearity vs beam position ³	±3 %

- 1. For lower powers, call your Gentec-EO representative.
- 2. Nominal value. Actual value depends on electrical noise in the measurement system.

. For a beam size of 20% of the aperture area, moved across 80% of the aperture area.

Weight

ORDERING INFORMATION

HP60A-10KW-GD-MET-D0
HP60A-10KW-GD-MET-BLU-D0

(6 - 8) LPM < ±1 LPM/min 15 - 25 °C < ±3°C/min 413 kPa (60 psi)
15 – 25 °C < ±3°C/min
< ±3°C/min
<u> </u>
(17 kPa (60 nsi)
415 KF a (00 psi)
80 kW/cm²
vary with wavelength and average power.
Real time, scope, needle, averaging, histogram and statistics
0-2 Volts
USB
Through USB or Gentec-EO displays & PC interfaces
None
Water
60 mm
GD
127H x 127W x 95D mm

Specifications are subject to change without notice. Refer to the user manual for complete specifications.

5 kg

TBD

201305M

INTERESTED IN THIS PRODUCT?

GET A QUOTE

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