UP17-H/W

17 mm Ø, 1 mW - 7 W, ultra thin casing

KEY FEATURES

- **ULTRA THIN CASING**
  Only 10.7 mm thick!
- **CHOICE BETWEEN 2 ABSORBERS**
  - H5: 36 kW/cm²
  - W5: unequalled 100 kW/cm²
- **HIGH POWER TO SIZE RATIO**
  6 W continuous reading
- **ENERGY MODE**
  Measure single shot energy up to 200 J (with the W5 version)

OUTPUT OPTIONS

- **SMART DB15 CONNECTOR**
  Contains all the calibration data
- integra **ALL-IN-ONE-METER**
  Connects directly to a PC
  Two models available:
  - USB output (-INT)
  - RS-232 output (-IDR)

COMPATIBLE DISPLAYS & PC INTERFACES


MIRO ALTITUDE


MAESTRO


TUNER


UNO


U-LINK and P-LINK


S-LINK and M-LINK

ACCESSORIES


Stand with steel post


Extension cables (4, 15, 20 or 25 m)


Pelican carrying case

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LASER COMPONENTS®

UP17-H/W
Specifications

CE NIST* Traceable
*Also traceable to NRC-CNRC


	UP17P-6S-H5-D0	UP17P-6S-W5-D0
MAX AVERAGE POWER (CONTINUOUS / 1 MINUTE)	6 W / 7 W	6 W / 7 W
EFFECTIVE APERTURE	17 mm Ø	17 mm Ø
COOLING METHOD	Convection	Convection
MEASUREMENT CAPABILITY		
Spectral range	0.19 - 20 µm	0.19 - 10.0 µm
Calibrated spectral range	0.248 - 2.1 µm [a]	0.248 - 2.1 µm [b]
Noise equivalent power [c]	1 mW	1 mW
Rise time (nominal) [d]	0.8 s	1.4 s
Calibration uncertainty [e]	± 2.5%	± 2.5%
Repeatability	±0.5%	±0.5%
Energy mode		
Maximum measurable energy [f]	15 J	200 J
Noise equivalent energy [c]	0.02 J	0.02 J
Minimum repetition period	4 s	5 s
Maximum pulse width	88 ms	133 ms
Accuracy with energy calibration option	± 5%	± 5%
DAMAGE THRESHOLDS		
Maximum average power density [g]	36 kW/cm²	100 kW/cm²
Maximum energy density		
1064 nm, 360 µs, 5 Hz	5 J/cm²	100 J/cm²
1064 nm, 7 ns, 10 Hz	1 J/cm²	1.1 J/cm²
532 nm, 7 ns, 10 Hz	0.6 J/cm²	1.1 J/cm²
266 nm, 7 ns, 10 Hz	0.3 J/cm²	0.7 J/cm²
PHYSICAL CHARACTERISTICS		
Effective aperture	17 mm Ø	17 mm Ø
Absorber (high damage threshold)	H5	W5
Dimensions	46H x 46W x 10.7D mm	46H x 46W x 10.7D mm
Weight (head only)	0.1 kg	0.1 kg
ORDERING INFORMATION		
Available output options	DB15, USB or RS-232	DB15, USB or RS-232
Compatible stand	STAND-S-233	STAND-S-233
Product page		

a. Calibrations at 2.1 to 2.5 µm and 10.6 µm are available on special request.
b. Calibration at 2.1 to 2.5 µm is available on special request.
c. Nominal value, actual value depends on electrical noise in the measurement system.
d. With anticipation.
e. Including linearity with power.
f. For 360 µs pulses. Higher pulse energy possible for long pulses (ms), less for short pulses (ns).
g. At 1064 nm, 10 W CW.

Specifications are subject to change without notice

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