

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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30(150)A / 30(150)A-LP1

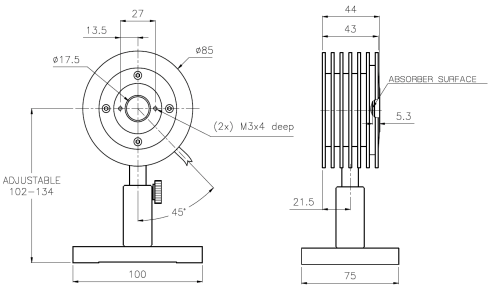
CW & Pulsed Measurements 50mW - 150W 20mJ - 300J

Recommended Use: Short term measurement to 150W
Broadband absorber: general use
LP1 absorber: high energy, long pulses
Special Features: Compact, convection cooled



Absorber:	Broadband: 0.19-20µm, LP1: 0.25 – 2.2µm	
Aperture:	ϕ 17mm	
Digital Power Scales:	150W / 30W for BB, 150W / 30W / 3W for LP1	
Maximum Power:	150W for 50s, 100W for 90s 30W continuous	
Maximum Average Power Density:	BB: 20KW/cm², LP1: 35KW/cm²	
Power Noise Level:	3mW	
Power Accuracy:	±3% [a]	
Maximum Energy Density J/cm²:	Broadband	LP1
<100ns	0.3	0.05
1µs	0.5	0.3
0.5ms	5	20
2ms	10	50
10ms	30	250
Response Time with Display (0-95%):	1.2s	
Linearity with Power:	± 1%	
Energy Scales:	LP1: 300J / 30J / 3J BB: 100J / 30J / 3J	
Energy Threshold:	20mJ	
Cooling:	Convection	

Note a: LP1 heads have relatively large spectral variation in absorption and have a calibrated spectral curve at all wavelengths in their spectral range. When used with the Nova II (software v 1.59 and above) or USBI (v1.17 or above) supporting this feature, accuracy is ±3% for any wavelength from 250 to 2200nm. When used with displays not supporting this feature, accuracy will be ±3% for wavelengths 532nm, 755nm, 1064nm and 2100nm and ±6% for other wavelengths in the spectral range 400 – 1100nm.



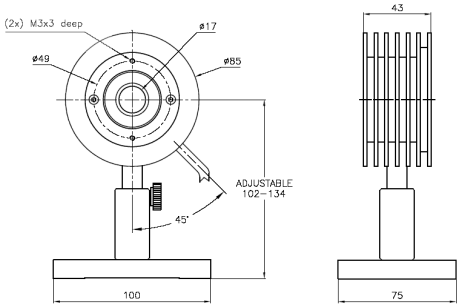
30(150)A- HE / HE1

CW & Pulsed Measurements 50mW - 150W 50mJ - 200J

Recommended Use: High energy and average power pulsed lasers
HE: YAG and harmonics, Holmium, Erbium
HE1: Ruby
Special Features: High damage threshold for short pulses, high average power



Absorber:	HE: 0.19 – 0.625µm, 1.064µm, 2.1µm, 2.94µm HE1: 0.19 – 0.76µm, 2.9µm		
Aperture:	ϕ 17mm		
Digital Power Scales:	150W / 30W / 3W		
Maximum Power	150W for 50s, 100W for 90s 30W continuous		
Maximum Average Power Density:	500W/cm²		
Power Noise Level:	3mW		
Power Accuracy:	±3% [a]		
Maximum Energy Density J/cm² [a]:	Single shot	10 – 50Hz	
<100ns	5	2	
0.5ms	100	25	
2ms	150	40	
Response Time with Display (0-95%):	3.8s typ		
Linearity with Power:	± 1.5%		
Energy Scales:	200J / 30J / 3J		
Energy Threshold:	50mJ		
Cooling:	Convection		
Note a: For shorter wavelengths, derate to values shown:	Wavelenegth	Derate to value	
	355nm	50%	
	266nm	50%	
	193nm	10%.	



END OF LIFE

Ordering information		
Item	**Description**	**Ophir P/N**
30(150)A	Power/energy meter 30W continuous, 150W intermittent	1Z02608 / 7Z02608 (RoHS)
30(150)A-LP1-V1	As above with high damage threshold LP1 coating	1Z02657S / 7Z02657S (RoHS)
30(150)A-HE	30/150 Watt power/energy meter for wavelengths 0.19 – 2.94µm. Energy calibrated for 0.19-0.6µm and 2.9µm	1Z02380 / 7Z02380 (RoHS)
30(150)A-HE1	30/150 Watt power/energy meter for wavelengths 0.19-0.76µm. Energy calibrated for 0.694µm (Ruby)	1Z02382 / 7Z02382 (RoHS)
Quasar: Some of the above heads are available with integral Quasar bluetooth module for wireless transmission direct to PC. See Ophir catalog for more details.		

Artisan Technology Group is an independent supplier of quality pre-owned equipment

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We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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