

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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Find the *MKS Instruments / Ophir 5000W* at our website: *Click HERE*

5000W / 5000W-LP

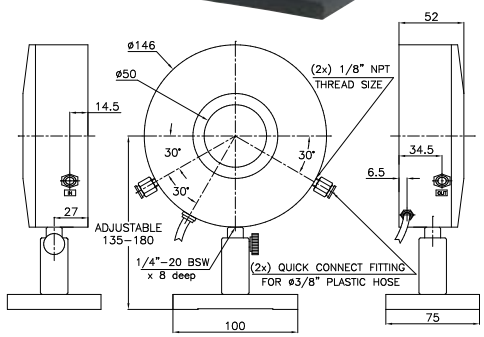
CW Power 100W - 5000W

Recommended Use: High power and long pulse YAG, CO_2 and Diode lasers
Special Features: High power and energy density, large aperture

Absorber:	Broadband: 0.19 - 20µm, LP: 0.19 - 1.5µm, 10.6µm		
Aperture:	∅50mm		
Digital Power Scales:	5000W / 500W		
Maximum Average Power Density:	BB: 3KW/cm², LP: 4KW/cm²		
Maximum Energy Density J/cm²:	Broadband	LP	
<100ns	0.3	0.05	
1µs	0.5	0.3	
0.5ms	5	20	
2ms	10	50	
10ms	30	150	
Power Noise Level:	1W		
Power Accuracy:	± 5%		
Response Time with Display (0-95%):	3s		
Linearity with Power:	± 2%		
Energy Scales:	N.A.		
Cooling:	Water – 4.5 liter / minute (minimum) Water temperature range 18 – 30°C Water temperature rate of change <1°C/min.		



5000W/5000W-LP

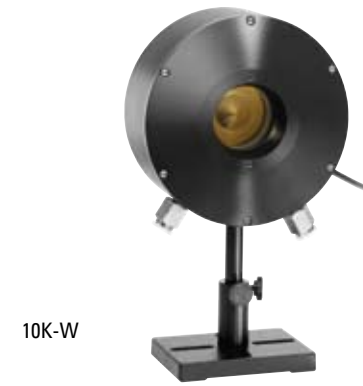


10K-W

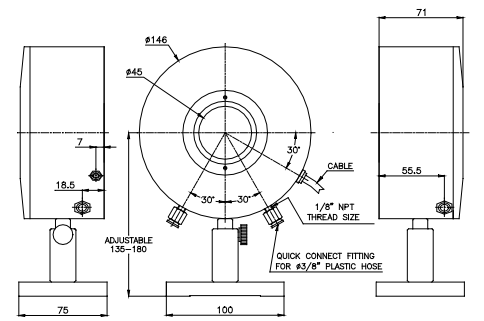
CW Power 200W - 10,000W

Recommended Use: Very high powers and power densities
Special Features: Withstands up to 10KW/cm² at 10,000W

Absorber:		Broadband: 0.8 -1.1µm and 10.6µm with special beam intensity reduction.			
Aperture:		∅45mm			
Digital Power Scales:		10KW / 1KW			
Maximum Ave. Power and Energy Density:	Beam Diameter	Max Power Density	Max Energy Density 1ms pulse w.	3ms p.w.	10ms p.w.
	<15mm	10KW/cm²	30J/cm²	60J/cm²	150J/cm²
	15-20mm	7KW/cm²	20J/cm²	40J/cm²	100J/cm²
	20-40mm	5KW/cm²	15J/cm²	30J/cm²	70J/cm²
	40-45mm	4KW/cm²	12J/cm²	25J/cm²	60J/cm²
Power Noise Level:		2W			
Power Accuracy:		± 5%			
Response Time with Display (0-95%):		<3s			
Linearity with Power:		± 2%			
Beam Size Dependence:		± 2% for beam to ∅35mm dia.			
Energy Scales:		N.A.			
Cooling:		Water – 9 liter / minute (minimum) Water temperature range 18 – 30°C Water temperature rate of change <1°C/min.			



10K-W



Ordering Information		
Item	**Description**	**Ophir P/N**
5000W	Water cooled 5000 Watt power/energy meter	7Z02119
5000W-LP	Water cooled 5000 Watt power/energy meter with damage resistant LP coating	7Z02255
10K-W-V1	Water cooled 10,000 Watt power/energy meter	7Z02645
Quasar: Some of the above heads are available with integral Quasar Bluetooth module for wireless transmission direct to PC. See page 97 for more details.		

History:

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

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

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

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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