

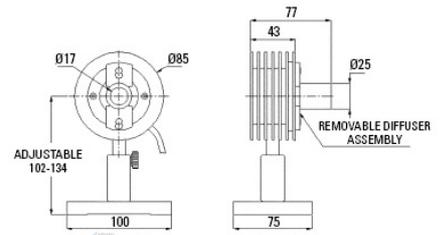
30(150)A-HE-DIF

CW & Pulsed Measurements 50mW - 150W 50mJ - 30J

Recommended Use: Highly concentrated beam Q switched lasers
 Special Features: Diffuser to spread out concentrated beam

Absorber:	HE: 0.19 - 3µm except for 625 – 900nm ^a	
Aperture:	φ 16mm	
Digital Power Scales:	150W / 30W / 3W	
Maximum Power:	150W for 50s, 100W for 90s 30W continuous	
Maximum Average Power Density:	500W/cm ²	
Power Noise Level:	3mW	
Power Accuracy:	±5%	
Maximum Energy Density J/cm ² for <100ns pulses and 10 – 50Hz:	Diffuser IN	Diffuser OUT
1064nm	5	2
532nm	4	2
355nm	1.5	1
Response Time with Display (0-95%):	3.8s typ	
Linearity with Power:	± 1.5%	
Energy Scales:	30J / 3J	
Energy Threshold:	50mJ	
Cooling:	Convection	
Note a: With diffuser in, head is only calibrated for 1064nm, 532nm and 355nm wavelengths.		

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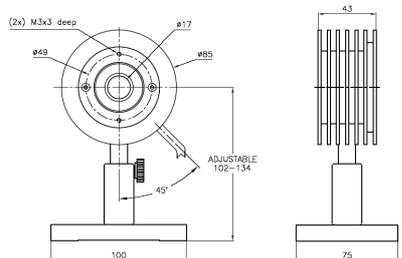


30(150)A-SV

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

Recommended Use: Both high power density and energy density
 Special Features: Extremely high damage threshold for average power and single pulses

Absorber:	SV type, 0.19 – 12µm	
Aperture:	φ 17mm	
Digital Power Scales:	150W / 30W / 3W	
Maximum Average Power:	30 Watts continuous, 150 Watts intermittent	
Maximum Average Power Density:	>60KW/cm ²	
Power Noise Level:	3mW	
Power Accuracy:	± 3%	
Maximum Energy Density J/cm ² :		
<100ns	>1J/cm ²	
0.5ms	20J/cm ²	
2ms	>50J/cm ²	
Response Time with Display (0-95%):	1.5s typ.	
Linearity with Power:	± 1%	
Energy Scales:	300J / 30J / 3J	
Energy Threshold:	50mJ	
Cooling:	Convection	



Ordering information		
Item	Description	Ophir P/N
30(150)A-HE-DIF	30(150)A-HE with diffuser for concentrated beams up to 500W/cm ²	1Z02354 / 7Z02354 (RoHS)
30(150)A-SV	30/150W power/energy meter with extremely high damage threshold	1Z02625 / 7Z02625 (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.

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