

Standard OEM Thermal Sensors

60mW to 150W

Features

- Conduction or water cooled
- Spectrally flat
- "UA" version can give analog voltage output or digital RS232 output and can measure power or energy. Can also have multiple switchable ranges and/or multiple switchable wavelengths.
- "UAU" version is similar to the UA version but operates via the USB terminal of the PC

150C-SH



The following specifications refer to standard OEM sensors, and are to be understood as generic, describing sensor families. Ophir will be happy to help you with a specific solution for your particular application.

Model	150C-SH	
Type	Smart sensor	
Features	High power, smart sensor	
Absorber Type	Broadband	
Spectral Range μm	0.19 – 20	
Aperture mm	$\phi 18$	
Power Mode		
Maximum power	free standing	5W continuous, 150W for 1min
	heat sinked	60W cond. / 150W water
Minimum power	60mW	
Power Noise Level	3mW	
Maximum Average Power Density KW/cm ²	30 at 5W 20 at 60W	
Response Time (0-95%), typ. (sec)	1.2	
Power Accuracy +/-% at calibrated wavelength	3	
Linearity with Power +/-%	1	
Amplifier power supply (for UA, UAU version)	NA	
Energy Mode (where applicable)		
Maximum Energy	100J	
Minimum Energy	20mJ	
Maximum Energy Density J/cm ²		
<100ns	0.3	
0.5ms	5	
2ms	10	
10ms	30	
Cooling	Conduction	
Output	Ophir smart plug	
Dimensions	50.8x50.8x33mm	
Part number	77023	

150C-SH

