

2.0 Power Meters & Interfaces

Power Meter Finder

The table below lists the specs and features of Ophir Power Meters and PC Interfaces



	Meters					
	Vega	Nova II	LaserStar Dual Channel	LaserStar Single Channel	Nova	StarLite
Digital Display	Yes	Yes	Yes	Yes	Yes	Yes
Display Color	Color	Monochrome	Monochrome	Monochrome	Monochrome	Monochrome
Analog Display	Yes	Yes	No	No	No	Yes
Rechargeable Battery	Yes	Yes	Yes	Yes	Yes	Yes
Detector Support						
Thermal Sensors	Yes	Yes	Yes	Yes	Yes	Yes
Photodiode Sensors	Yes	Yes	Yes	Yes	Yes	Yes
Pyroelectric Sensors	Yes	Yes	Yes	Yes	Yes	Yes
RP Sensors	No	No	Yes	Yes	No	No
BeamTrack Sensors*	Yes	Yes	No	No	No	Yes
Measurement Options						
Average Power	Yes	Yes	Yes	Yes	Yes	Yes
Energy per Pulse (Pyro. Sensors)	Yes	Yes	Yes	Yes	Yes	Yes
Single Shot Energy (Thermal Sensors)	Yes	Yes	Yes	Yes	Yes	Yes
Statistics	Yes	Yes	Yes	Yes	Yes	No
Analog Out	1V,2V,5V,10V	1V,2V,5V,10V	1V	1V	1V	1V
Trigger input & output	No	No	No	No	No	No
Real-Time Logging						
RS232	30Hz	30Hz	30Hz	30Hz	10Hz	N/A
GPIB	N/A	N/A	1500Hz	1500Hz	N/A	N/A
USB	2000Hz	2000Hz	N/A	N/A	N/A	N/A
Bluetooth	N/A	N/A	N/A	N/A	N/A	N/A
On-Board Data Storage	250K	50K	50K	50K	1K	No
Automation Interface	Yes for USB	Yes for USB	No	No	No	No
Labview VI's	Yes	Yes	Yes	Yes	Yes	No
Part number	7Z01560	7Z01550	7Z01601	7Z01600	7Z01500	7Z01565
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Ophir power meters are true plug-and-play instruments. With all sensor information and calibration stored in the sensor plug, just plug in any one of over 150 Ophir sensors and the instrument is calibrated and configured to measure laser power and energy with that sensor.

*Position and size measurement capabilities on Vega, Nova II, StarLite and Juno. Power and single-shot energy measurement on all instruments.



Wireless Interface	PC Interfaces				
Quasar	Juno	USBI	Pulsar-4	Pulsar-2	Pulsar-1
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
Yes	Powered from USB	Powered from USB	No	No	No
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
No	No	Yes	No	No	No
No	Yes	No	No	No	No
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes
No	No	1V	No	No	No
No	No	No	Yes	Yes	Yes
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	10,000Hz	2000Hz	25,000Hz	25,000Hz	25,000Hz
500Hz	N/A	N/A	N/A	N/A	N/A
No	No	No	No	No	No
No	Yes	Yes	Yes	Yes	Yes
No	Yes	Yes	Yes	Yes	Yes
7Z01300	7Z01250	7Z01200	7Z01201	7Z01202	7Z01203
103	101		102	102	102