NOVA II

Versatile Laser Power/Energy Display



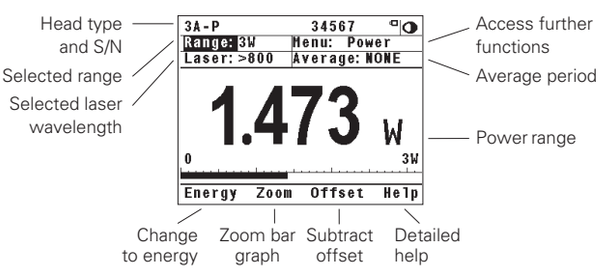
- Compatible with all Ophir thermal, pyroelectric and photodiode heads
- Large high definition LCD display
- Choice of digital or analog needle display
- 2 position kickstand
- Backlighting and rechargeable battery
- Analog output
- Log every point at up to 4000Hz with pyro heads
- Non volatile data storage up to 50,000 points
- Laser tuning screen and power and energy log
- USB and RS232 output to PC with statistics package
- NIST traceable and CE marked
- Soft keys and menu driven functions with on-line help
- Many software features such and density, min/max, scaling etc.

The Nova II is the most versatile and sophisticated handheld laser power/energy meter on the market. Just plug in one of the many Ophir smart heads and you have a whole measurement laboratory at your fingertips.
Besides measuring power or energy from pJ and pW to hundreds of Joules and thousands of Watts, the Nova II has many on-board features such as laser tuning, data logging, graphing, normalize, power or energy density units, attenuation scaling, max and min limits.
For those who prefer an analog display, the Nova II can also display the power or energy with a high resolution simulated analog needle display.
The Nova II can be operated either by battery or from an AC source with the charger plugged in at all times. Its backlight allows illumination of the display in low light conditions.

Selected Screens

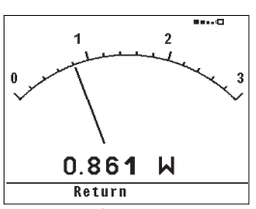
Digital Power Screen

- CW industrial, medical and scientific lasers
- pW to 20KW with appropriate heads
- Can average over selected period.
  Useful for unstable lasers.
- Fast response bar graph



Analog Power Screen

- Perfect for adjusting and maximizing laser power
- Large analog needle with small digital display as well



Choice of smaller display with range, menu, laser and average headers

Selected Screens

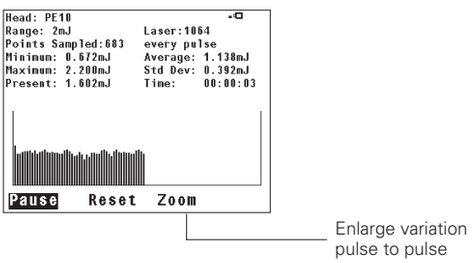
Energy Screen

- Pyroelectric heads (single or repetitive) and thermal heads (single shot only)
- Frequency measurement with pyroelectric heads



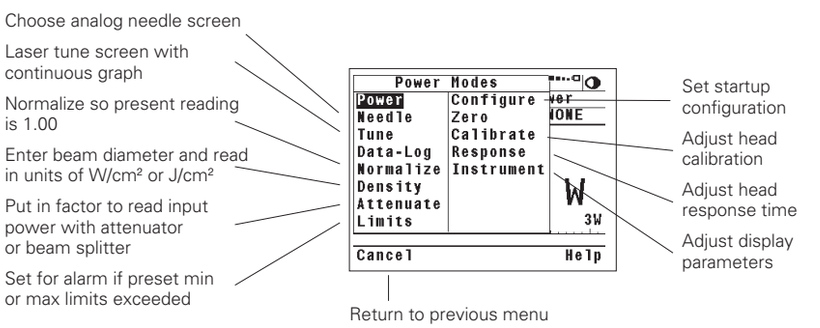
Energy Logging Screen

- Pyroelectric and thermal heads
- Continuous scroll with up to 100 points on screen
- Full statistics
- Store data onboard and recall



Additional Functions

- Press the menu choice on the main screen and many more options pop up as shown



Specifications

Display:	High legibility 320 x 240 pixel graphics LCD with switchable electroluminescent backlight. Large 18mm digits. High resolution analog needle also can be chosen.
Features:	Many screen features including power with bar graph, energy, average, exposure, frequency, graphs, scaling, special units, and more. Complete on line context sensitive help screens.
Outputs	USB, RS232 and 1, 2, 5 and 10 volt full scale analog output.
Screen Refresh:	15 times/sec
Case:	Molded high impact plastic with two level kickstand.
Size:	Folds to a compact 208mm Lx 117mm Wx 40mm H
Battery:	Rechargeable NiMH batteries with typically 18 hours between charges. Charger (included) also functions as an AC adapter.
Data handling	Both USB communications with data transmission rate of >4000 points/s and RS232 with 19200 baud rate. Non volatile on board storage of up to 54000 data points in up to 10 files. Data can be viewed on board or transmitted to PC.
Head features:	Works with thermopile, pyroelectric and photodiode heads. Automatic continuous background cancellation with PD300 heads. Submicrojoule and multikilohertz capability with pyroelectric heads.
Program features:	Preferred startup configuration can be set by user. User can recalibrate power, energy, response time and zero offset.

Ordering Information		
Item	**Description**	**Ophir P/N**
Nova II	Nova II universal smart head display forthermal, pyroelectric and photodiode heads	7Z01550
Carrying Case	Carrying case 46x35x13 cm. For display and up to three heads	1J02079
Nova II USB Cable	USB to mini DIN cable	7E01205
Nova II RS232 Cable	D9 to mini DIN cable	7E01206
Battery Pack	Replacement battery pack for the Nova II	7E05055