Orion

Family of Handheld Laser Meters

For those who do not need the multifunction, the RS232 computer interface or the single shot energy capability of the Nova, Ophir now offers the Orion series - a lower cost alternative.

- Orion TH for measuring power with all Ophir thermal heads
- Orion PE for measuring energy with Ophir pyroelectric heads
- Orion PD for photodiode heads featuring full wavelength correction
- Soft keys, menu-driven graphic display with analog output and backlight



OrionTH

- Supports over 50 Ophir thermal heads-μw to 20KW
- Fast response power measurement with auto or manual ranging
- Corrected for major laser wavelengths
- Laser tuning screen to maximize laser power
- Offset background at the push of a button

Orion PE

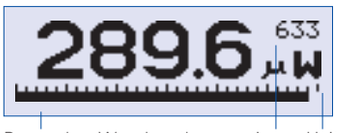
- Supports all Ophir pyroelectric heads and PD10 nanojoule meter
- Measures laser energy from nJ to 60J
- Frequencies up to 5KHz
- Energy logging statistics
- Built-in wavelength correction

Orion PD

- Supports all Ophir photodiode heads-200-1800 nm
- Wavelength corrected at 1nm increments with user selected favorite wavelength for ease of use
- pW to 3W with appropriate heads Patented dynamic background subtraction
- Display Watts or DBm
- Auto or manual range
- Laser tuning screen to maximize laser power

Selected Screens

Digital Bargraph Power Screen



Bargraph Wavelength correction Units

Digital Bargraph Power Screen



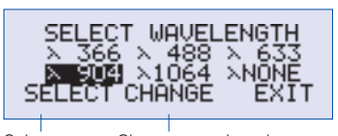
Bargraph Wavelength correction Units

Digital Bargraph Energy Screen



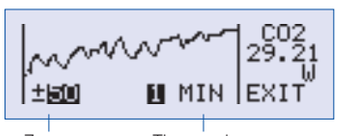
Bargraph Wavelength correction Units

Wavelength Selection Screen



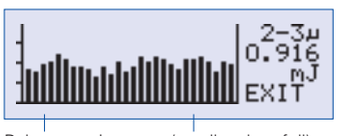
Select wavelength | Change wavelength to different value

Laser Tuning Screen



Zoom | Time scale

Energy Logging Screen



Pulse energies | (scrolls when full)

Specifications

Display	High legibility 32 x 122 pixel graphics supertwist LCD with electroluminescent backlight.
Analog output	1 Volt full scale
Case	Molded high-impact plastic with kickstand and EMI conductive shielding to CE standards.
Size	Very compact: 203 x 95 x 38mm
Battery	Rechargeable with 18 hours operating time per charge. Charger (included) also functions as AC adapter.
Software features	Preferred startup configuration can be set by user and stored in head smart plug. Orion can be zeroed at the press of a button. Complete plug-and-play operation. All calibration and configuration information is read from the head smart plug.

Ordering Information		
Item	**Description**	**Ophir P/N**
Orion TH	Orion smart head display for thermal heads and BC20 heads	7Z01801
Orion PD	Orion smart head display for photodiode heads	7Z01803
Orion PE	Orion smart head display for pyroelectric heads	7Z01802
Carrying Case	Carrying case 33x29x10cm. For display and up to three heads.	1J02079
Battery Pack	Replacement battery pack for Orion	7Z11200