NEW PRODUCT

TITAN™

Broadly Tunable CW OPO-Based Laser System

Key Features

- Broad tuning across 1450 – 1980 nm and 2300 – 4000 nm
- High output power with >5 W at peak of the range
- Excellent beam pointing stability with wavelength
- TEM_{00} spatial profile
- Hands-free operation with dedicated control software. Control drivers available
- Sealed, compact, and virtually maintenance-free
- Integrated spectrometer

Applications

- Spectroscopy
- Metrology
- Sensing
- IR communications
- Microscopy
- Semiconductor research

The TITAN™ is an extraordinary CW OPO which provides seamless spectral coverage across the visible and IR wavelengths with unprecedented power.

Featuring three output ports, the TITAN™ delivers: 1) 1450 - 1980 nm, 2) 2300 - 4000 nm, and 3) 1064 nm with a single source. Such a superior spectral coverage is provided with exceptional output powers across the range (>5 Watts at peak wavelength). This, together with the inherent high beam pointing stability, beam quality and power stability, make the TITAN™ an ideal source for spectroscopy, microscopy and sensing applications.

As a sealed and fully-automated system, it provides hands-free operation where any wavelength can be rapidly tuned by the click of a mouse via the dedicated control software. Control drivers are also available.

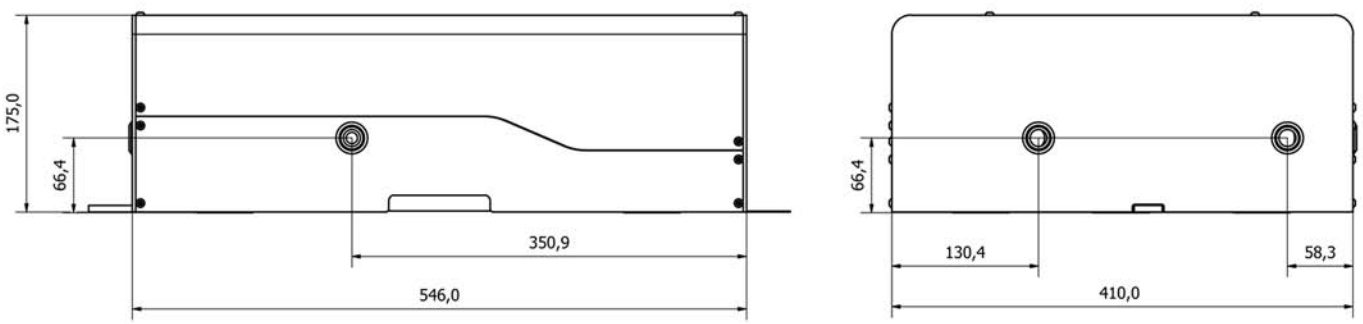
Virtually maintenance-free, this CW OPO system provides a compact, robust, user-friendly and versatile laser source for demanding applications in multiple industrial, sensing and scientific research.

Specifications[1]

Output Characteristics	Titan SID1
Tuning range	
Output 1	1450 - 1980 nm
Output 2	2300 - 4000 nm
Output 3	1064 nm
Output power [2]	
Output 1	> 5 W
Output 2	> 3 W
Output 3 [3]	> 10 W
Linewidth	< 100 MHz
Beam diameter at 1650 nm	3.0 mm +/- 10%
Beam diameter at 3000 nm	5.0 mm +/- 10%
Spatial mode	TEM_{00} $M^2 \leq 3$
Beam pointing	< 40 µrad
Signal noise	< 5% rms
Polarization	Linear
Size (W x L x H)	546 x 410 x 175 mm (21.5 x 16.14 x 6.89 inch)

Notes
(1) Specifications are subject to change without notice
(2) At Peak of OPO tuning range
(3) Available upon request

Titan™ Dimensions



Dimensions in mm

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