

PICUS DUO OEM

MOBILE & READY FOR INTEGRATION

The **PICUS DUO** is also available in an **OEM** version. Housed in a standard 19" enclosure, the **PICUS DUO OEM** is made for easy integration into your imaging device.

Fiber-coupled outputs allow flexible pulse delivery offside an optical table. With the same specifications as the table-top version, the **PICUS DUO OEM** enables coherent Raman imaging in a multitude of environments.

STANDARD 19" HOUSING

- Computer-controlled operation
- Air-cooled

COMFORTABLE FIBER DELIVERY

- Delivery by photonic-crystal fiber
- Pre-compensated dispersion

MOBILE OPERATION

- Proven shock resistance up to 25 m/s²
- Same specs as table-top version



Applications

Fiber-delivered laser output
Portable microscopes
Fiber-coupled endoscopes

*Contact us for
various
customizations!*

Product Specifications

Optical	Output A	Output B
Tuning range	780 - 980 nm (Signal)	1025 - 1055 nm
Tuning speed	< 100 ms	
Average power	100 - 150 mW	150 - 200 mW
Covered wavenumbers	700 - 3100 cm ⁻¹	
Pulse duration	7 ps	
Spectral bandwidth	< 12 cm ⁻¹	
Repetition rate	40 MHz	
RMS noise & Polarization	< 1 %; linear, 100:1	
Fiber delivery	Endlessly single-mode PCF, MFD 12 μm M ² < 1.1 for both outputs	

Electrical

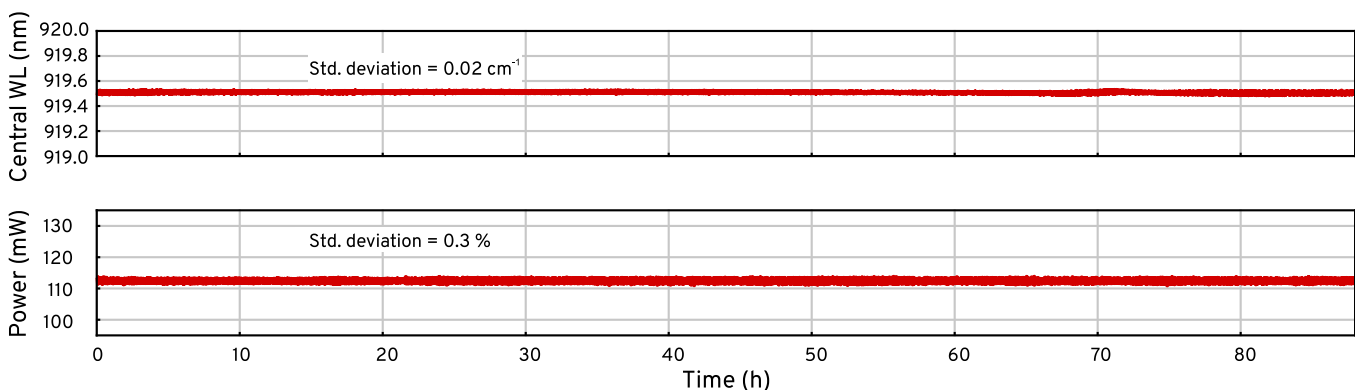
Interfaces	Communication through USB or RS232 Monitor out for external synchronisation
Amplitude modulation	AM modulation option for A or B at 20, 10 or 6 MHz
Software interfaces	GUI and custom serial API, e.g., via Python & Matlab

Mechanical

Laser head dimension	42x42x20 cm ³
Laser controller dimension	43x31x13 cm ³
Cooling	Air-cooled
Weight	25 kg
Standard umbilical length	2 m

Performance

Typical long term stability



info@refined-lasers.com
www.refined-lasers.com



Refined Laser Systems GmbH
Mendelstrasse 11
48149 Münster
Germany

The product is constantly being improved, therefore the specifications are subject to change without notice. April 2023 | Rev. 4.0

Geleitet durch:



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aus der Wissenschaft

anlässlich des Jubiläums
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