

3mikron™ Evaluation Kit (DPM-40)

To support the development of your laser device, there is the possibility to rent or buy an evaluation kit or to do first application tests in our in-house laboratory. This service allows you to do feasibility studies and determine the requested laser specifications before starting device development.

The 3mikron™ Evaluation Kit DPM-40 consists of:

- . High Power Mid-IR DPSSL Module DPM-40
- . Laser Control System for Laboratory Use
- . Cooling System for Laboratory Use (optional)

HIGH POWER MID-IR DPSSL MODULE DPM-40

Specifications

Technology	Monolithic DPSSL
Wavelength	2940 nm
Average Output Power (max)	40 W
Pulse Energy (max @ 100 Hz)	300 mJ
Pulse Repetition Rate	up to 2 kHz
Pulse Duration	1 to 400 µs
Beam Quality	M ² < 30
Mechanical Dimensions	150 x 100 x 65 mm (W x D x H)



LASER CONTROL SYSTEM LCS-30300

Specifications

Output Current	up to 300 A
Pulse Duration	50 to 400 µs
Rise Time (10 - 90 %)	< 20 µs
Efficiency	> 80 %
Input Voltage	110 - 240 VAC, 50/60 Hz
Mechanical Dimensions	19", 480 x 370 x 135 mm (W x D x H)



COOLING SYSTEM P310 (Termotek AG)

Specifications

Cooling Capacity	up to 720 W @ 35° C Ambient Temperature
Mechanical Dimensions	19", 6 HE, 640 mm with Filter



For detailed information on purchasing and rental conditions please contact us at 3um@pantec.com.



Pantec Medical Laser strives for innovative solutions in the field of minimally invasive laser based medical engineering. As exclusive supplier of unique laser technologies - 3mikron™ and fam™ - Pantec Medical Laser provides customized solutions from single laser units to complete application devices. Pantec Medical Laser is a business unit of Pantec Engineering AG.

Pantec Engineering AG provides solutions in automation and mechatronics for the mechanical engineering and medical device industries worldwide. Through its rigorous focus on niche strategies and high degree of service orientation, the company has become a world leader in its five primary markets.

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