

miracle.

Probe molecular vibrations, economically



Mid Infrared Tunable Laser

High performance CW OPO

- Optimized for spectroscopy from 2600 - 3500 nm
- Narrow linewidth and fine tuning across O-H, N-H, C-H vibrations and more
- Hands-free, digital control

learn more...



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TOPO smart

Mid Infrared Tunable Laser



DANGER – VISIBLE AND INVISIBLE LASER RADIATION, AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION, CLASS 4 LASER PRODUCT, EN60825-1:2014

Specifications				
	TOPO smart 2700	TOPO smart 3300	TOPO smart customized	TOPO smart WT
Coarse tuning range	2580 - 2830 nm (3875 - 3535 cm ⁻¹)	3100 - 3500 nm (3230 - 2855 cm ⁻¹)	Approx. 300 cm ⁻¹ around custom center frequency	2600 - 3500 nm (3850 - 2850 cm ⁻¹)
Mode hop free tuning range	> 15 GHz (0.5 cm ⁻¹)			
Linewidth	< 4 MHz			< 100 kHz
Output power	> 30 mW			
Beam quality factor M ²	< 2			
Control interfaces	DLC pro touchscreen, PC software, Ethernet, USB, analog remote control			
Dimensions laser head (H x W x D)	90 x 192 x 470 mm ³ (Wide tuning option needs additional seed laser: 90 x 150 x 370 mm ³)			
Dimensions control unit (H x W x D)	154 x 450 x 348 mm ³			
Power supply	100 .. 120 V / 220 .. 240 V AC, 50 .. 60 Hz (auto detect)			
Power consumption	typ. 70 W			
PC interface	Ethernet			
Environment temperature	15 - 30 °C (operating), 0 - 40 °C (storage and transport)			
Environment humidity	Non-condensing			

