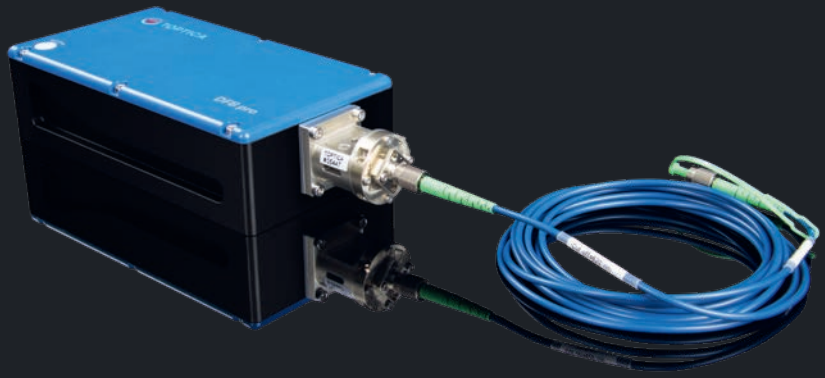
precise.

Phase-shifting interferometry made easy



633 nm

Tunable, single-frequency laser for phase-shifting interferometry

- 200 GHz of mode-hop free tuning range*
- 8 mW of optical power
- OEM-grade laser system

*Broader tuning range upon request

learn more...

TOPTICA

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DFB pro 633

DANGER – AVOID EXPOSING EYES AND SKIN TO THE LASER BEAM, INCLUDING ANY STRAY LASER LIGHT. CLASS 3B LASER PRODUCT, 60825-1:2014+A11:2021, IEC 60825-1:2014

Specifications		
Center wavelength		633 nm +/- 0.25 nm
Output power		up to 8 mW
Thermal tuning (typ.)	Typical range	200 GHz
	Typical speed	50 GHz / s
	Typical rate	-20 GHz / K
Typical instantaneous linewidth		5 MHz
Output beam polarization		Linear, > 100:1
Fast modulation (AC and DC coupled)		Included
Optical isolators		30 dB
Fiber coupling		SmartDock
Fiber coupling efficiency: min. (typ.)		50% (60%)
Dimensions laser head (H x W x D)		45 x 90 x 165 mm^3
Weight laser head		2 kg
Dimensions control unit (H x W x D)		154 x 450 x 348 mm^3
Weight control unit		9 kg
Operating voltage		100 .. 240 V~, 50 / 60 Hz (wide-range input)
Power consumption		Typ. < 50 W, max. 250 W
PC interface		Ethernet
Environmental temperature		15 - 30 °C (operating), 0 - 40 °C (storage and transport)
Environmental humidity		Non condensing