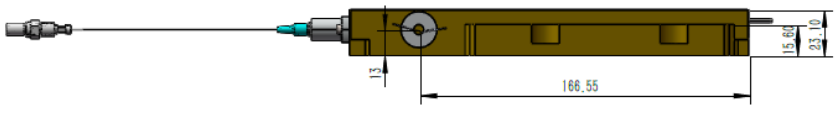
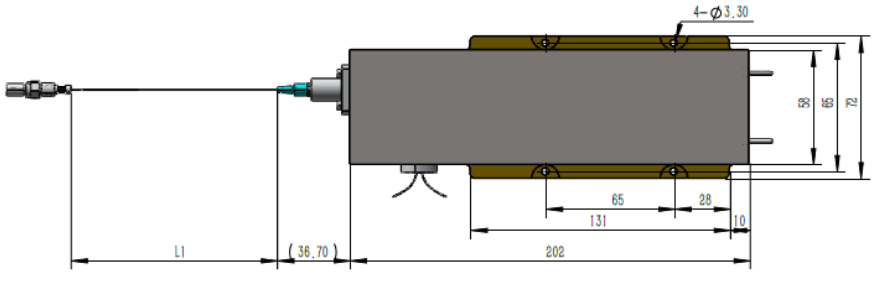
PHOTONTEC BERLIN

PRODUCT SPECIFICATIONS

Model		M980±10-500-F400S/22-EA		
Optical	**Unit**	**Min**	**Typical**	**Max**
Output Power (exit fiber)*	W	490	500	
Central Wavelength	nm	970	980	990
Spectral Width (FWHM)	nm			10.0
95% Energy Inclosed NA	_		0.18	
Wavelength Temp. Coefficient	nm/°C		0.35	
Fiber Pigtail				
Fiber Core Size	µm		400x400	
Fiber Cladding Diameter	µm		660	
Numerical Aperture	_	0.20	0.22	0.24
Length	m	1		5.0
Connector			Air- or water cooled LD80 (with key)	
Electric				
Threshold Current	A		1.45	
Operating Current	A		21.0	24.0
Operating Voltage	V		40.9	41.5
Slope Efficiency	W/A		25.3	
Power Conversion Efficiency	%	50	57	
Accessories (optional)				
Thermistor	_		10k NTC	
Aiming Beam Wavelength	nm		630 - 660	
Absolute Ratings				
Operating Temperature (Thermistor)	°C		25 – 40	
Operating Humidity	%		< 75	
Storage Temperature	°C		-20 – +80	
Pin Soldering Temperature	°C		260 (10s)	





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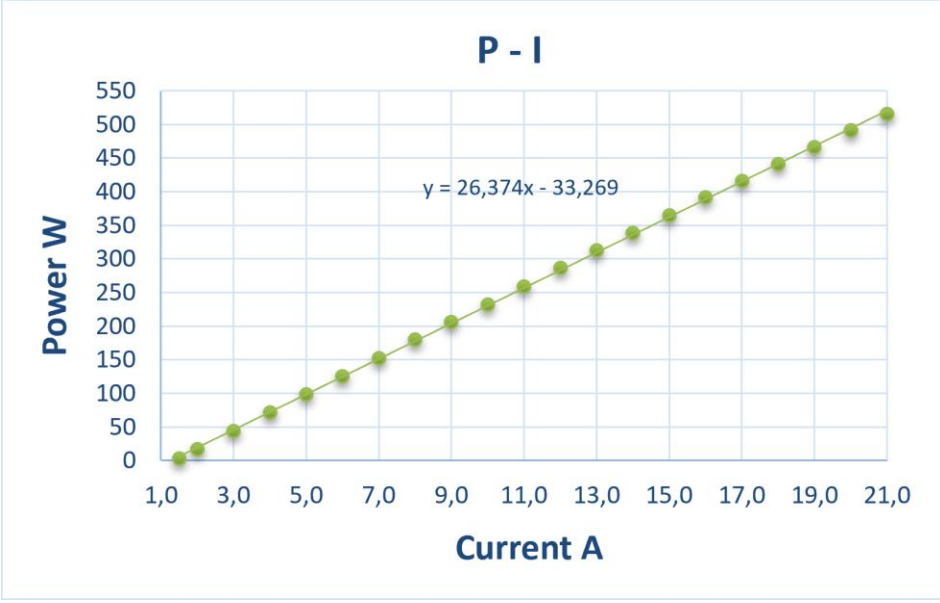
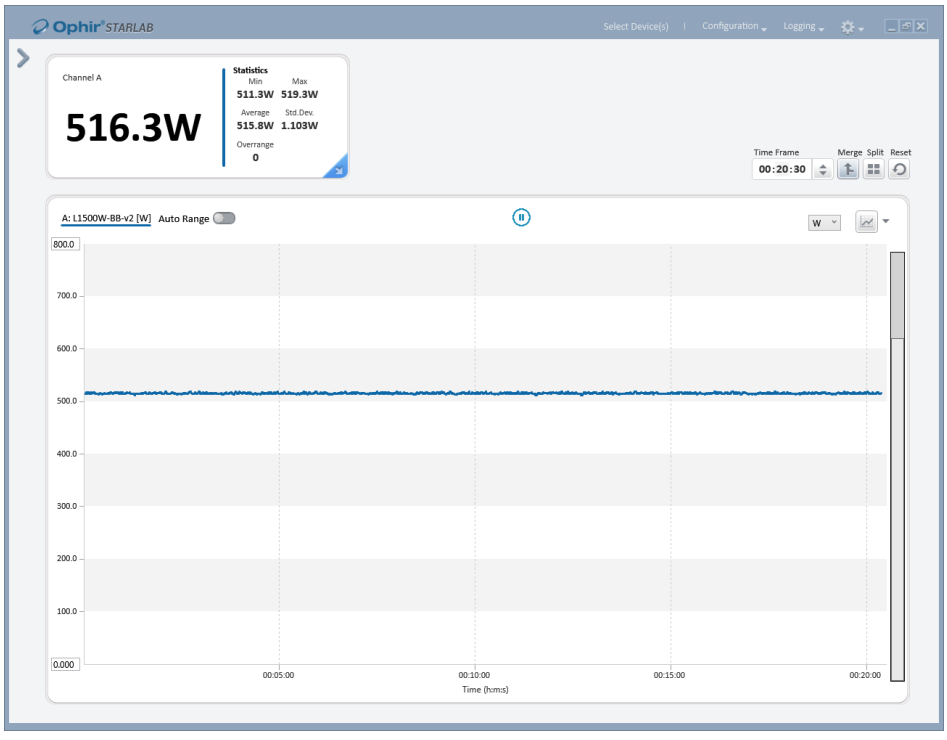
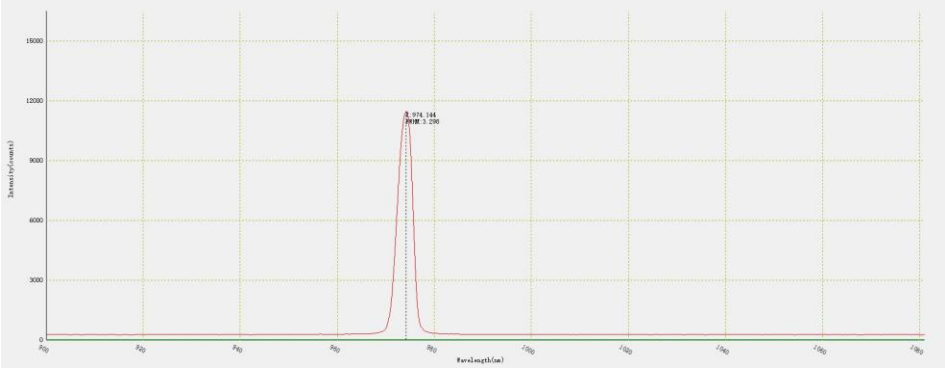
LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO
DIRECT OR SCATTERED RADIATION
CLASS 4 LASER PRODUCT







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