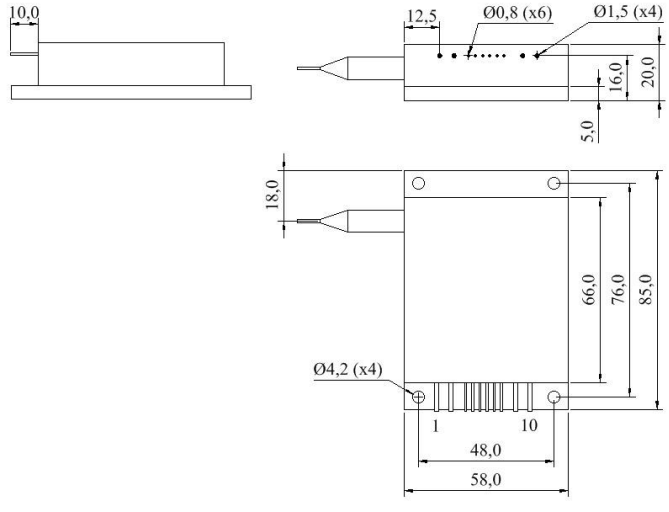
PHOTONTEC BERLIN

PRODUCT SPECIFICATIONS

Model			M976±0.5-100-F105/22-D1-P	
Optical	**Unit**	**Min**	**Typical**	**Max**
Output Power (exit fiber)	W	95	100	
Central Wavelength	nm	975.5	976	976.5
Spectral Width (FWHM)	nm		≤ 0.5	
NA with 90% Enclosed Power	-		0.18	
Wavelength Temp. Coefficient	nm/°C		0.02	
Wavelength Current Coefficient	nm/A		0.05	
Fiber Pigtail				
Core Diameter	µm	102	105	108
Cladding Diameter	µm	122	125	128
Numerical Aperture		0.20	0.22	0.24
Length	m		2	
Electric				
Threshold Current	A		0.5	
Operating Current	A		9.0	10.0
Operating Voltage	V		24.0	24.5
Slope Efficiency	W/A		11.8	
Power Conversion Efficiency	%	47	50	
Back Reflection Protection				
Wavelength Rrange	nm		1030 – 1100	
Attenuation	dB		>40	
Absolute Ratings				
Operating Temperature (housing baseplate)	°C		≤ 30	
Operating Humidity	%		< 75	
Storage Temperature	°C		-20 – +80	
Soldering Temperature	°C		250 (10s)	

1	Laser diode cathode
2	Laser diode cathode
3	Thermistor
4	Thermistor
5	Photodiode anode
6	Photodiode cathode
7	-
8	-
9	Laser diode anode
10	Laser diode anode



Compliance with Regulatory Requirements: This industrial laser is an OEM version of a laser diode. As such, it is intended only for integration into other equipment. This laser does not comply with IEC and CDRH requirements. The customer is responsible for IEC and CDRH certifications of the system that incorporates this industrial laser.

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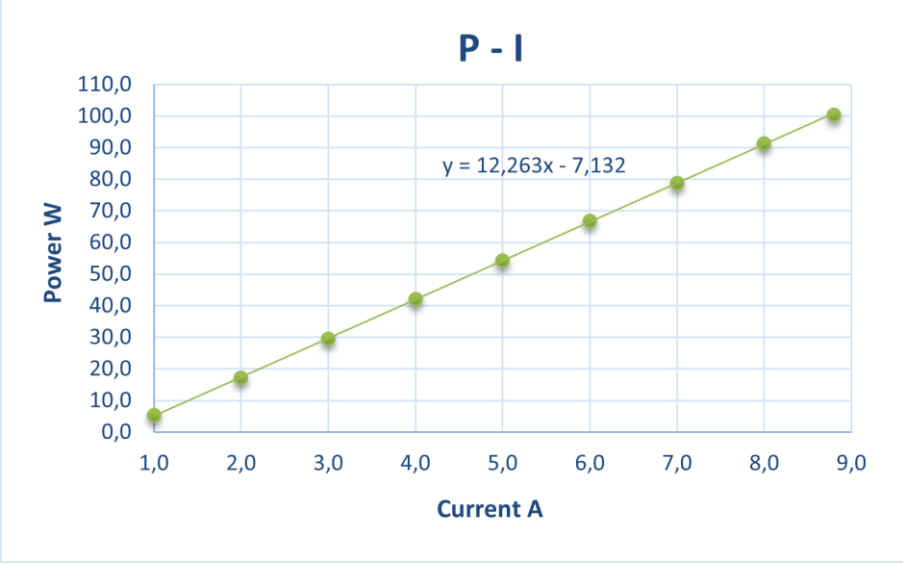

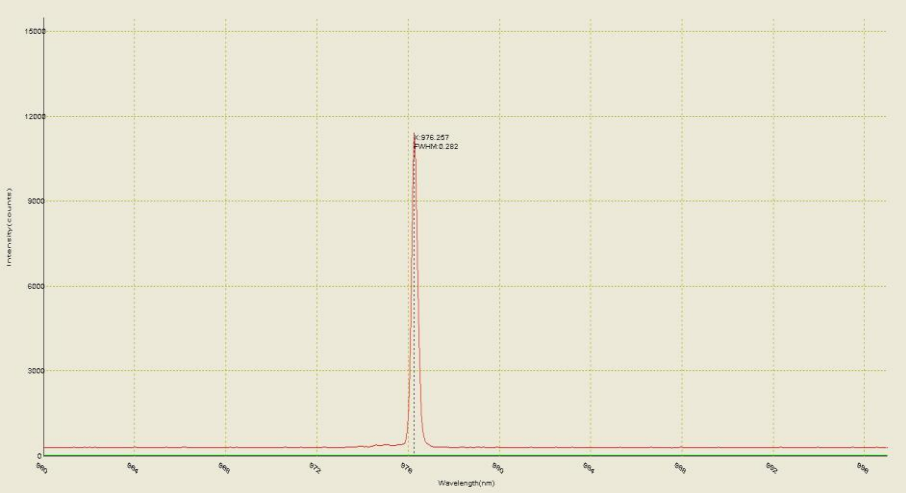

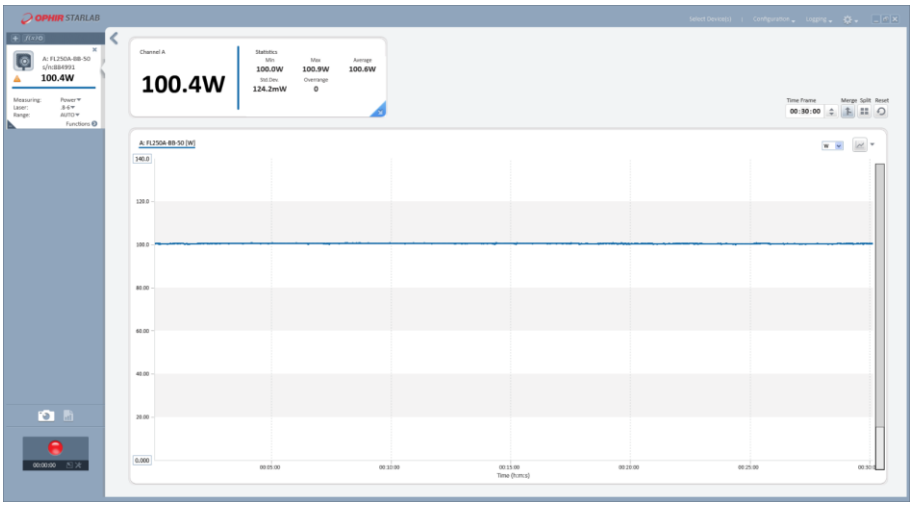

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LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO
DIRECT OR SCATTERED RADIATION
CLASS 4 LASER PRODUCT