

Features:

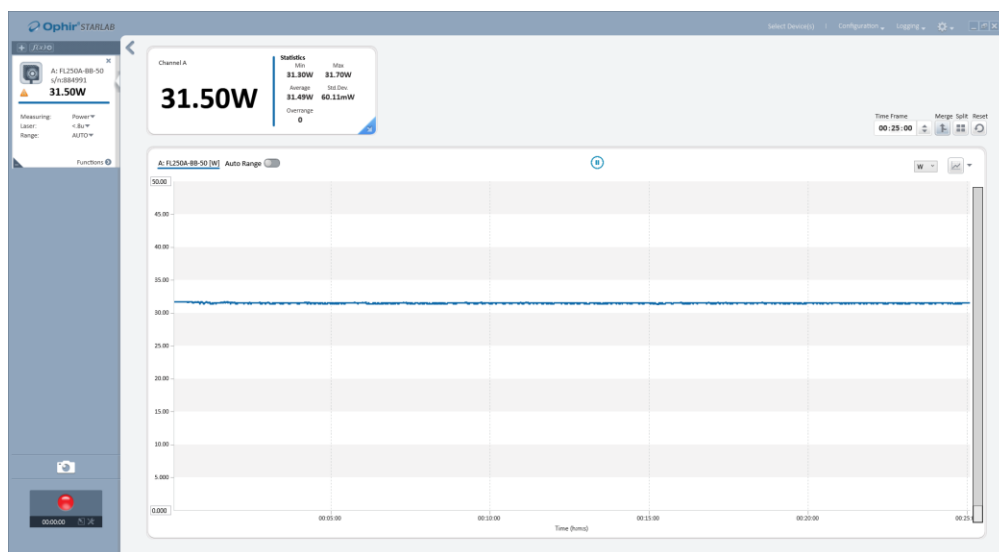
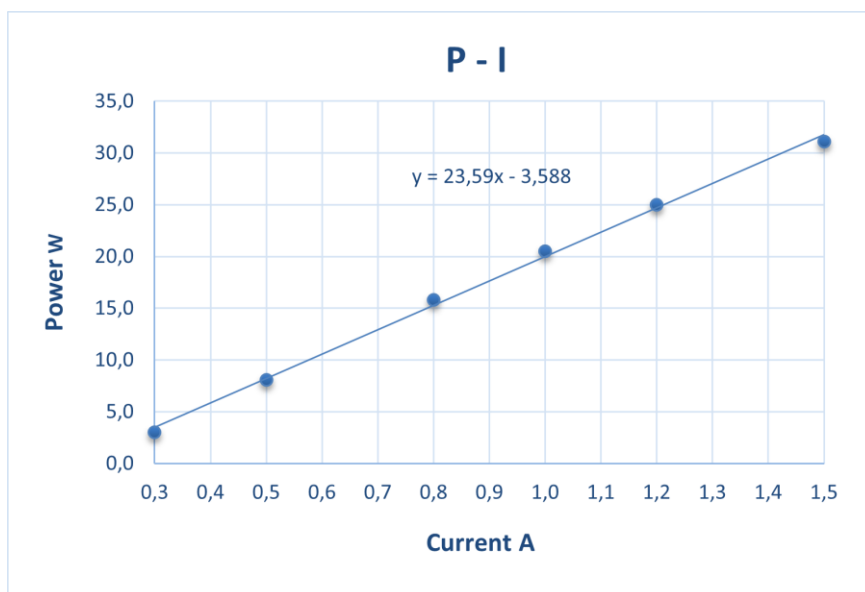
- Wavelength: 520±10nm
- Output power: 30W CW
- Fiber receptacle: FSMA
- Fiber core diameter: 200µm
- Numerical aperture: 0.22
- Accessories: thermistor, photodiode, red aiming
- Cooling: water, water plate integrated



Model		M520±10-30-D200/22-V5W-AP		
Optical	Unit	Min	Typical	Max
Output power (exit fiber)	W		30	
Centroid wavelength	nm	510	520	530
Spectral width (FWHM)	nm			10.0
Number of submodule	-		2	
Fiber Receptacle				
Core diameter	µm		200	
Numerical aperture	-		0.22	
Connector	-		SMA905	
Electric (series connection)				
Threshold current	A		0.2	0.25
Operating current	A		1.5	2.0
Operating voltage	V		120	123
Slope efficiency	W/A		23,6	
Power conversion efficiency	%		17,0	
Accessories				
Thermistor	kΩ		10k@25°C	
Red aiming wavelength	nm		650±10	
Red aiming power	mW		2	
Absolute Ratings				
Cooling water temperature	°C		20 - 25	
Cooling water flow	l/min		>4.0	
Operating humidity	%		< 75	
Storage temperature	°C		-20 – +80	
Storage humidity	%		90	

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.





1	LD 1 Anode	9	Aiming +5VDC
2	LD 1 Cathode	10	Aiming GND
3	LD 2 Anode	11	Thermistor
4	LD 2 Cathode	12	Thermistor
5	NC	13	NC
6	NC	14	NC
7	NC	15	Photodiode N
8	NC	16	Photodiode P

