

Femtolute F/G/H Family

Erbium-doped Femtosecond Fiber Lasers



HX-150 Laser Head

Product Features

- HX-150 model offers **adjustable power at dual wavelengths**
- Compact and robust design for easy integration
- Simple on/off operation by controller panel or RS-232 interface
- Mechanical reliability complies with relevant MIL-STD-810F and IEC 60601-1 requirements
- Regulatory certifications available



FX-100 Complete System

Product Models

	FX-100	FX-150	GX-200	HX-150	
Center Wavelength	805 ± 15 nm	810 ± 15 nm	1620 ± 40 nm	810 ± 15 nm & 1620 ± 40 nm	
Average Power	≥ 100 mW	≥ 150 mW	≥ 200 mW	≥ 150 mW*	≥ 200 mW*
Pulse Duration	≤ 120 fs	≤ 140 fs	≤ 100 fs	≤ 140 fs	≤ 100 fs
Repetition Rate	75 ± 10 MHz				

* At maximum setting

Femtolite **F/G/H** Specifications

	FX-100 805 nm	FX-150 810 nm	HX-150 810 nm & 1620 nm*	GX-200 1620 nm
Polarization	Vertical with respect to baseplate			Horizontal*
Power Stability	≤ 1% rms after stabilization at 25 °C			
Laser Head Dimensions	230 x 193 x 76 mm ³			
Output Aperture Height	43 mm			
Laser Head Weight	2 kg		3 kg	2 kg
Head Heat Dissipation	< 50 W			
Controller Dimensions	267 x 267 x 133 mm ³			
Controller Weight	3.5 kg			
Operating Voltage	100-240 VAC at 50-60 Hz			
Power Consumption	< 250 W			
Operating Temperature	20-30 °C			
Storage Temperature	0-50 °C			
Warm-up Time	≤ 15 minutes			
Cable Length	2 m			

*For HX-150 at maximum setting only



FX-100, FX-150 Warning Label



GX-200 Warning Label



HX-150 Warning Label



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Specification and features may change without notice