



Helium-Neon Laser LGN-220 SF

This model is intended for utilisation in holography and other applications calling for highly stable operation at four frequencies at the red 633 nm line, the orange line at 612 nm, the orange-yellow line at 594nm and the green line at 543 nm. An incorporated Fabry-Perot-Etalon enshures several meters of coherence length and stable coherence in time at best output power and stability. These He-Ne lasers are unique worldwide in their high output power and stability in beam parameters.

For holographers requiring a tunable Helium-Neon laser with several visible lines, there are no alternatives.

Laser	LGN-220SF	
Gasfilling	He Ne	
Wavelength (nm)	Output power	
Single-Mode	633	> 40 mWatt
	612	> 10 mWatt
	594	> 10 mWatt
	543	> 5 mWatt
Transversal mode structure	TEM00	
Polarisation	100 : 1	
Divergence	< 1,5 mRad	
Beam diameter	< 2 mm	
Pointing stability	0,05 mRad/ hr.	
Power stability	5%/ 8hrs.	
Noise	0,5%	
Warranted lifetime	> 2000 hrs.	
Average lifetime	> 5000 hrs.	
Operating temperature	+ 10° - + 40° C	
Laser head dimensions	1965 x 225 x 195 mm	
Laser head weight	30 Kg	
Mains supply	230 VAC +/- 10%, 50 Hz	
Power consumption	350 VA	
Power supply dimensions	375 x 268 x 135 mm	
Power supply weight	12 Kg	