

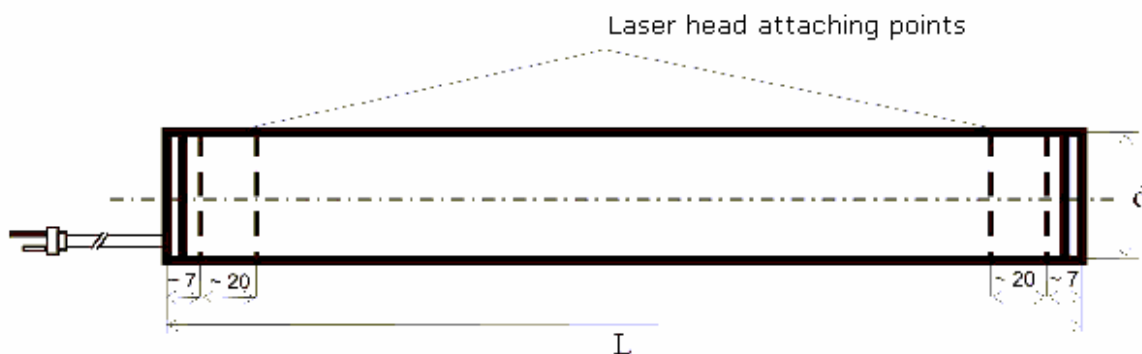
GN-0.5, GN-1, GN-2P, GN-2P-1, GN-3, GN-3-1, GN-5, GN-5P, GN-5M, GN-10M Lasers

Lasers of GN series represent gas lasers of continuous operation mode and emission in the red spectral region at 0.63μm wavelength. These lasers can be used in control and measuring equipment, polygraphic industry, holography, medical equipment and in some other processing and laboratory installations as a source of coherent monochromatic emission. The lasers have simple design and are convenient in service.

Parameters	GN-0.5	GN-1	GN-2P	GN-2P-1	GN-3	GN-3-1	GN-5	GN-5P	GN-5M	GN-10M	
Output power, mW, not less	0.5	1.0	2.0	2.0	3.0	3.0	5.0	5.0	5.0	8.0	
Spectral structure	TEM ₀₀	TEM ₀₀	TEM ₀₀	TEM ₀₀	TEM ₀₀	TEM ₀₀	TEM ₀₀	TEM ₀₀	TEM _{mn}	TEM _{mn}	
Polarization, not less	1:1	1:1	100:1	100:1	1:1	1:1	1:1	100:1	1:1	1:1	
Beam diameter, mm, not more	0.5	0.5	0.6	0.6	0.6	0.6	0.8	0.8	2.0	2.0	
Beam divergence, mrad, not more	2.0	2.0	1.5	1.9	1.5	1.9	1.2	1.2	3.8	4.3	
Power consumption, W, not more	10	10	15	15	15	15	25	25	20	25	
Dimensions of laser head, mm, not more	Ø30x145		Ø35x255	Ø35x280	Ø35x255	Ø35x280	Ø35x350				
Dimensions of power supply, mm, not more	150x60x170 (110x35x85*)										
Mass, kg, not more (laser head/power supply)	0.2 / 1.2 (0.4*)		0.4 / 1.2 (0.4*)				0.43 / 1.2 (0.4*)		0.4 / 1.2 (0.4*)		0.43 / 1.2 (0.4*)
Warranty lifetime, h, not less							10 000				
Mean life, h, not less							25 000				

* - built-in power supply

Dimensional drawing (laser head)



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