

Lasers M-951, M-951K, M-951AK

Application:

- laser animation;
- scientific research.

Peculiarities:

- little mass;
- power supply is combined with the laser head.



Laser Emission Power, W, not less*:

Wavelength, nm	M-951	M-951K	M-951AK
Wavelength range, nm	TEM _{mn}	TEM _{mn}	TEM _{mn}
457.9-514.5	10	---	---
647.1-676.4	---	4	---
457.9-676.4	---	---	4
One line, nm			
676.4	---	0.5	---
647.1	---	3.5	1.0
568.2	---	---	0.4
530.9	---	----	0.4
520.8	---	---	0.1
514.5	4.0	---	0.8
501.7	0.4	----	0.1
496.5	0.9	---	0.2
488.0	3.0	---	0.8
476.5	0.9	---	0.3
472.7	0.2	---	---
465.8	0.2	---	---
457.9	0.3	---	0.1

* Parameters are guaranteed for the lines in bold type, other parameters are the achieved emission power values

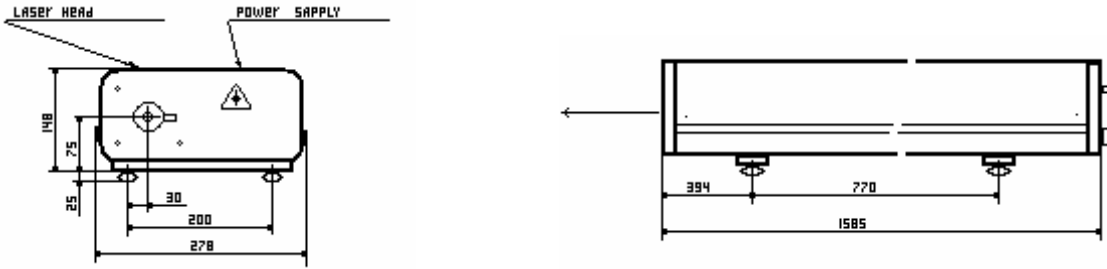
Other Parameters:

Polarization, not less*	100:1
Divergence, mrad, not more	1.3
Beam diameter at the distance 0.4 m from the laser head, not more	4.0
Power instability	unstabilized inbuilt power supply
Supply (3F+N+G), V, Hz	380\220±10%, 50
Consumed power, kW, not more	35
Monoblock cooling	water
Water discharge, l/min., not less	14
Water pressure, kg\cm ² , not more	4.0
Temperature of the cooling water, °C, not more	30
Warranty operation time, hours, not less	500
Average resource, hours, less	5000
Monoblock mass, kg, not more	45
Water filter mass, kg, not more	3
Control panel mass, kg, not more**	1.0

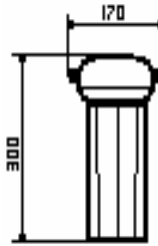
* For the laser LG-106M4ST at the customer's order, vector **E** orientation can be performed both in vertical and horizontal planes, or there can be made the production of the laser without polarization in multilinear operation mode.

Outline Drawing

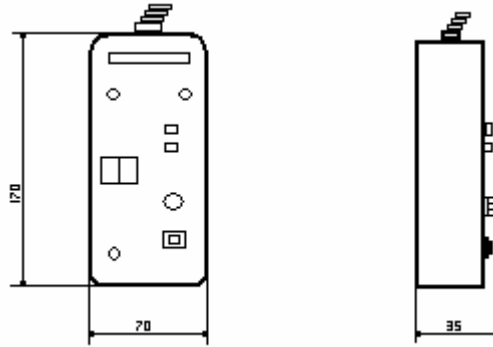
Laser Head (Monoblock)



Water Filter to the Laser Head



Control Panel



- Plait Length:**
1. Laser head — power supply, 2.5 m.
 - 2*. Supply line, 2.5 m.
 - 3*. Control panel — power supply, 2.5 m.
 - 4*. Water hoses, 12 m.
- *---Plait lengths are specified by the customer.

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