

Technical data sheet ML- 75PGK- 635-3

Precise laser cross generator with cross angle adjustment and correction of its arms straight lines



Technical data	
Laser module is equipped with internal controller for stabilization of average output power, soft-start system, protection against damage due to reverse polarization of supply voltage and ESD safety system. The module incorporates two, independent precise line generators, with rotation option of ± 1800 , after loosening M2 Allen screw, for setting laser position in its body.	
Safety class	1M acc. to PN-EN 60825-1:2014
Wave length	$\lambda = 635 \text{ nm} \pm 10 \text{ nm}$
Optic power	$3 \text{ mW} \pm 0.5 \text{ mW}$
Power supply	3 V - 6 V (preferred 3 VDC)
Current consumption	$< 80 \text{ mA}$
Generated cross angle	$60^\circ (\pm 10^\circ)$
Accuracy of factory set right angle of the cross	$< 0.1^\circ$
Factory focusing length (settings of the thinnest line)	$1 \text{ m} \pm 0,02 \text{ m}$
Housing and dimensions	Aluminium housing, black $\phi 25 \text{ mm} \times 120 \text{ mm}$
Cable	Round cable $\phi 4.8 \text{ mm}$ LIYY 2 x 0.35, cable length $1 \text{ m} \pm 0.02 \text{ m}$
Cable labeling	(+) brown, (-) white
Guarantee	2 years

Note:

1. Negative pole of power supply is connected with laser housing.
2. Protect power supply against temporary surges exceeding 6V. In case of power supply from simple mains power supplies, one should first turn on mains power supply and then laser module power supply. Proceed on the contrary in case of turning off.

Options of execution:

- Other powers and laser radiation wave lengths and line generation angles.
- 24VDC power supply, mains power supplies for TS-35 strip or for sockets. Option of factory setting of the thinnest cross lines from several cm to infinity.