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ML-87PGL-635-15

Industrial hermetic red line laser, with rectilinearity correction, dedicated mechanical holder and integrated power supply.

Laser designed for wood cutting and stone cutting industry, for operation in harsh environments.

Technical data:

Safety Class	2M from PN-EN 60825-1:2014
Wavelength	λ=635 nm
Average Optical Output Power	15mW
Operating Voltage	87÷260VAC
Operating Current	~10mA
Optics	4-element glass objective - F=4,5mm, NA=0.45, CA=4,3mm, AR - Cylindrical lens Ø5mm
Line generating angle	~80^0
Housing	Aluminium (black anodized)
Laser dimensions	Φ40 x 200 mm
International Protection Rating	IP67
Removable glass window with AR coatings at laser aperture	
Cable	Length 3m, with mains plug
Fixed focus, possibility to focus at any distance from 30cm to infinity; (preset: infinity with < 2mrad beam divergence);	
Laser has an internal high-performance AC power supply with a wide range of AC input voltage and full galvanic isolation. The electrical driver ensures full control and stabilization of the average optical output power. Green LED indicator on the rear panel lights up when the laser is operating.	

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Aluminum holder (included in the price of the laser) provides several ways to install the laser on machine:

Mounting on a plane   Mounting on a Ø20mm rod   Side mounting

Anti-dazzle protection (aluminium dimming cap to increase eye safety) – included in the price of the laser:

Laser without dimming cap   Laser with dimming cap attached

The product is in conformity with the requirements of the European Union in the field of electromagnetic compatibility and electrical safety and laser radiation. The laser is CE marked.

OPTIONS:

-   different optical power, wavelength, line generating angle, gaussian or uniform line optics