

## MMG SERIES

PERFECT ALIGNMENT EVERY TIME.



The MMG model is FP Industries' answer to the problem of high luminosity workplaces. The MMG although small in size packs 8 times the brightness of an equivalent power red laser. This green light laser is highly visible in all lighting conditions, even outdoors, allowing clean, crisp laser lines. The MMG makes your job easier to align period

### Highlights

- **Green Laser in a small package.**
- **Available in 1mw, 5mw and 10 mw.**
- **8 times brighter than equivalent power red laser.**

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## Specifications

### (Mechanical specifications)

|                                      |                        |
|--------------------------------------|------------------------|
| Weight with bracket and power supply | 450 grams              |
| Length:                              | 7,62 cm                |
| Diameter:                            | 1.91 cm                |
| Housing material                     | Aluminum               |
| Bracket material                     | Aluminum and stainless |

### (Optical specifications)

|                        |                |
|------------------------|----------------|
| Output power           | 1, 5 and 10 mW |
| Wavelength             | 532 nanometers |
| Intensity distribution | Non gaussian   |
| Fan angle              | 60°            |
| Bore sighting          | >5 mrad        |

### (Environmental specifications)

|                       |  |
|-----------------------|--|
| Operating temperature | 10°C à 30°C Maximum ( <i>Protect the casing of the laser against sunrays</i> ) |
| Wavelength drift      | 0.25 nm / °C typical   |
| Warm up time          | 10 minutes   |

### (Other specifications)

|          |   |
|----------|---|
| Warranty | Lifetime warranty on the casing and the mounting bracket<br>12 months warranty on electronic components |
|----------|---|

### (Electrical specifications)

|                 |                         |
|-----------------|-------------------------|
| Primary voltage | 120 VAC 60hz wall mount |
|-----------------|-------------------------|

## Optional

12VDC (cigarette lighter) or with special connector for OEM applications

#### Laser and eyes safety

Laser products manufactured by FP Industries comply with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated July 26, 2001.

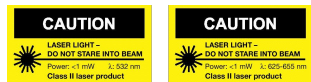
CAUTION -- use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Always use caution when working with or around lasers and wear appropriate eye protection.

All of our products fall into one of the following classes :

Class II - Caution

Visible laser light of lower than 1.0 mW. Considered eye-safe, normal exposure to this type of beam will not cause permanent damage to the retina. When exposed to this level of laser light, the blinking reflex of the human eye is fast enough to avoid any damage. A Class II safety rating is considered eye-safe, but can be hazardous if there is direct long-term ocular exposure (> 1000 seconds). Any Class II-rated laser product can be installed on the shop floor with a minimum of concerns. A warning logotype is affixed to each laser product, according to its class and wavelength.



Class IIIa - Danger

Visible laser light between 1.0 and 5.0 mW. Considered eye-safe with caution, but may present a greater hazard if viewed using collecting optics. Focusing of this light into the eye could cause eye damage. A warning logotype is affixed to each laser product, according to its class and wavelength. For the user safety and to avoid risks of eye injury, you should position the laser in such a way that the laser beam does not cross the operators working area. Appropriate laser warning signs should be placed in the working area to warn workers and visitors of the presence of lasers.



To receive The Laser Safety Guide, please contact FP Industries or order at the address below :

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