

Tough Line laser system for universal applications

# MIL 360 / 360G



METSYS PRECISION INSTRUMENT

## Universal line laser Tool

**The ML360 series, generates continuous 360 degree planes of laser light. A horizontal plane is ideal for ceiling and height-transfer applications, whilst two vertical planes that are 90 degrees apart provide all the reference needed for all indoor tasks.**

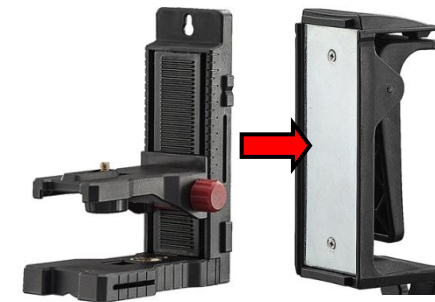
- High quality laser beams ensure the visibility. Green LD withstands the hot/ cold environment at any job sites.
- The 2600 mah Lithium-ion battery system provides satisfactory battery performance, savings on battery costs.
- Robust design, Over-mold housing and alloy topping ensures that the lasers can perform well even after minor accidents.
- The included magnetic bracket, and clamp allows the laser to be used for various applications, such as ceiling and drywall installation.
- The LS1 Receiver and fine adjustment base are optional accessories to the standard kit. The LS1 receiver can be added when doing outdoor short range applications, as for the Fine adjustment base is ideal for precise pinpoint indoor applications.
- The laser unit is classified as a class II laser.
- Be careful not to expose your eyes to the laser beam while the instrument is operating.
- Direct exposure to the laser beam for a long time may be hazardous to your eyes.
- Do not try to dismantle the instrument. Only allow this to be done by your local Metsys service Centre.

## Included Accessories for ML360 Series

- 1x ML360/360G Laser tool
- 1x Magnetic ceiling bracket
- Clamp for drywall application
- 1x Magnetic laser Target
- Visibility enhancement glasses
- Injection carry case
- 1x Charger

### Optional Extras

- LS1 detector
- Fine adjustment base
- 1.5m Tripod



## Operation

When the unit is not in use, the pendulum should always be in the Off position (shown in the figure below).

Locking the pendulum allows the Laser unit to better withstand vibration and trauma incurred during transportation or in the case the unit is dropped.

To use the laser under leveling mode, Users should push the main switch button to the Unlock position and the horizontal plane will be activated. Press the laser selection on the control panel, to activate the other two vertical beams.

Each laser plane can be individually selected. To use with a laser detector, users need to press the pulse button to activate this function. (image shown in figure 1)

Image below (a better image needs to be implemented showing the on / off engraved next to the switch)

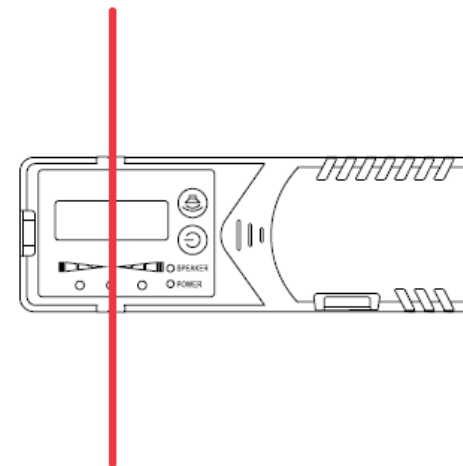
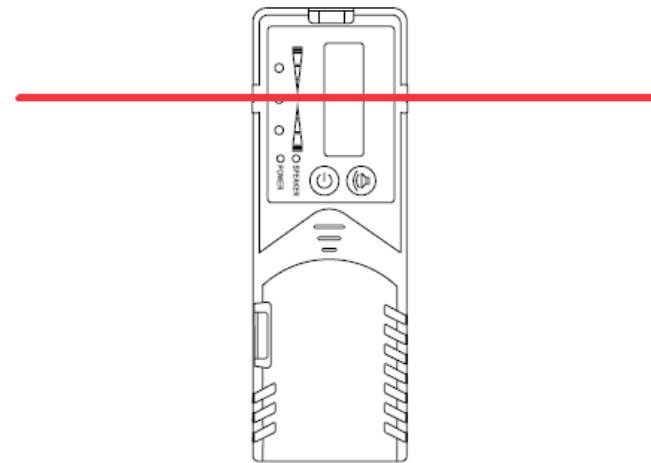




<b>ML360 / 360G Specification</b>	
Over-all accuracy	<b>±3mm/10m</b>
Leveling Range	<b>±3.5°</b>
Working Range	<b>15m R / 25m G</b>
Working Range W LS1	<b>Up to 50m</b>
Tripod Thread	<b>1/4" &amp; 5/8"</b>
Laser Type	<b>class II</b>
Wavelength	<b>660nm R / 515 G</b>
Operating Temperature	<b>-10°C to 45°C</b>
Storage Temperature	<b>-20°C to 60°C</b>
Dimension	.....
Continues Working hrs	<b>10 hrs R/ 7hrs G</b>
Protection Class	<b>IP 54</b>
Net weight	<b>1.1KG</b>
Batteries	<b>2600 mAh, 7.4V</b>
Out of level indicator	<b>Laser beam flashing</b>
Out of battery indicator	<b>Decal indicator flashing</b>

## USING YOUR DETECTOR

- Press the pulse mode button on the top of the instrument to enter into pulse mode.
- Switch the detector on by pressing the power button. The speaker will beep indicating the instrument is operating.
- Move the detector into the path of the laser beam.
- Hold the detector upright for horizontal beams. Rotate the detector 90° for vertical beams.
- The LED direction indicators will indicate the position of the laser beam. The centre LED will indicate alignment with the beam.



# TROUBLE SHOOTING

Error	Cause & Solution
<b>Laser does not turn on</b>	<ul style="list-style-type: none"><li>▪ Check the batteries. They may be in the wrong way or need replacing.</li><li>▪ Check the battery compartment for signs of damage. Ensure they are clean and not bent.</li></ul>
<b>Laser does not remain on for long periods of use.</b>	<ul style="list-style-type: none"><li>▪ Check the batteries.</li><li>▪ Check the battery compartment for signs of damage. Ensure they are clean and not bent.</li></ul>
<b>Laser does not level off</b>	<ul style="list-style-type: none"><li>▪ Instrument may be outside its self levelling range. Adjust the instrument or tripod so it is level.</li><li>▪ Instrument may have low power.</li><li>▪ Instrument may have impact damage.</li></ul>