

**myzox**

LINE LASER  
DIGEST CATALOG



# How to choose line laser

There are four main points to consider when choosing line lasers.

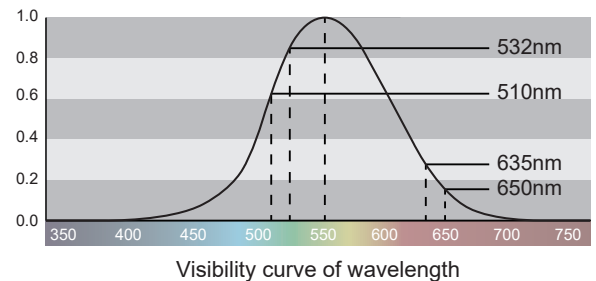
Please check these points in below, and select the most suitable model for your workshops.

## 1. Visibility

Choose by laser color and visibility

There are two main types: green lasers that use wavelengths 510 ~ 532 nm, and red lasers that use wavelengths 635 ~ 650 nm.

The green laser has higher visibility than the red laser, but the price of the module itself is higher, which affects the product price.



## 2. Line pattern

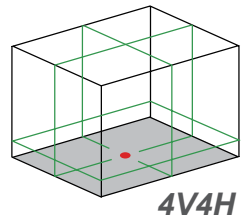
Choose an appropriate line pattern depending on the operation

There are several patterns on line laser from simple cross lines with 1V1H line to full lines with 4V4H lines.

If the number of lines is multiple, it's possible to work efficiently depending on job sites.

However, the number of laser modules reflects directly to the product prices.

Also, turning on unnecessary lines can waste battery power.

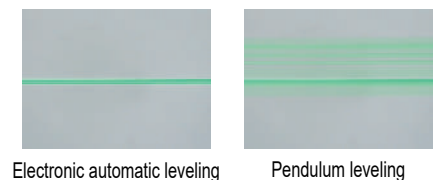


## 3. Leveling system

Choose a leveling system that matches the site environment

There are mainly 2 types of leveling system on line laser. One is an electronic automatic leveling system that adjusts the tilt with a motor, and the other is a magnetic brake system that corrects the pendulum with magnetic force.

The electronic automatic leveling system is less susceptible to vibrations and is suitable for sites with lots of shaking.



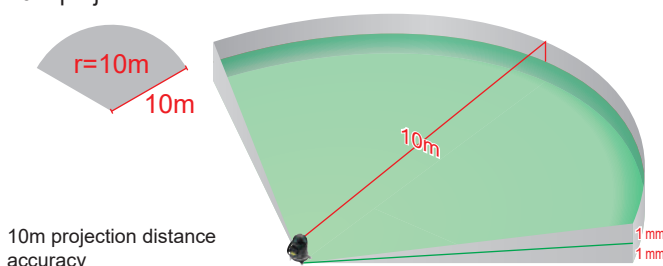
## 4. Accuracy

Determine the quality of work

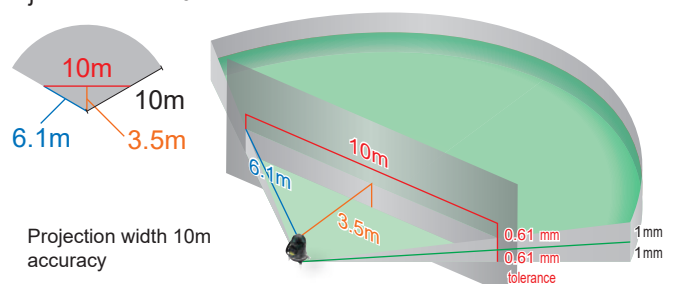
The accuracy is the most important point, but please note that the inspection standard differs depending on the manufacturer.

Myzox line lasers are listed as " $\pm 1\text{ mm} / 7.5\text{m}$ " and " $\pm 1\text{ mm} / 10\text{m}$ ". This means when projected 7.5m or 10m away (reach distance), the line tolerance created by the inclination falls within  $\pm 1\text{ mm}$ . Converted to the length of the projected line (projected distance), it will be " $\pm 0.81\text{ mm} / 10\text{m width}$ " at a reach of 7.5m, and " $\pm 0.61\text{ mm} / 10\text{m width}$ " at a reach of 10m.

10m projection distance



Projection width 10m



# Green Laser SR series Debut !!

Green laser SR series comes up from Myzox.

The SR series, which has been changed from the modulation laser to the direct generated laser (Real Green Laser), has a clear line with high visibility and it is easy to see and easy to mark.

## Difference between of direct type & modulation type

### Direct type

- Good Sharp line
- Good Wide operable temperature
- Good Long operating time
- Bad Less visibility compared to modulation type

### Modulation type

- Good Highest visibility
- Good Low price module
- Bad Cannot use below 0°C
- Bad Fast deterioration of module

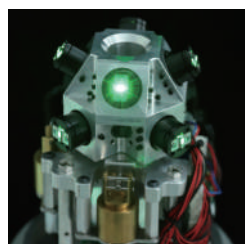
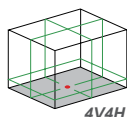
**SR**  
Real Green



## Electronic Automatic Leveling Real Green Line Laser

# G-440SR

IP  
54

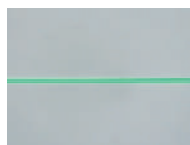


## Electronic automatic leveling x 4V4H lines

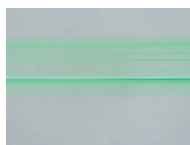
### Check

#### Strong against on-site vibration & shaking

Compared to the pendulum leveling method, the electronic automatic leveling method is not affected by vibration or shaking on building or ground.



Electronic automatic leveling



Pendulum leveling

### Check

#### High temperature protection

Normally, the laser element radiates heat to the aluminum block to reduce damage to the element, but it may not be possible to radiate heat sufficiently under high temperature. The high temperature protection function is equipped with a temperature sensor, and the electronic circuit monitors and protects the unit. To avoid this situation, G-440SR/G-410SR have heat protection which is auto-off feature.

### Check

#### 3 types of power supply

Rechargeable batteries, alkaline batteries, AC power can be freely selected from 3 types of power supply, so it is safe even if the battery suddenly runs out.



## Standard accessories



- Main unit
- Manual
- Charger
- AC adapter
- Detector (GL-RE4)
- Rod clamp (GL-RC)
- Carrying case
- NiMH battery x 4pcs
- 9V alkaline battery
- Shoulder strap

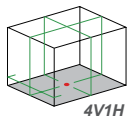
\*Elevating tripod is optional

## Specifications

MODEL	G-440SR	Self-leveling range	±2.0°
Laser source	Visible laser diode (Line:Green / Down point:Red)	Operable temperature	-5°C ~ +40°C
Wavelength	510 ~ 520nm (Line)	IP function	IP54
Line width	within 2.5mm / 5m	Power	AA battery x 4 (Alkaline/NiMH) AC adapter
Laser class	2M (IEC:60825-1:2014)	Operate time (all lines)	approx. 2 hours
H & V line accuracy	±1mm / 10m	Size	L:152 × W:148 × H:223mm
Leveling system	Electronic system	Weight	approx. 1.7kg (excluding battery)
CODE NO.	MODEL	REMARKS	
222852	G-440SR	Main unit / Detector set	

## Real Green Line Laser

IP  
54



### Standard accessories



- Main unit
- Manual
- AC adapter
- Detector (GL-RE4)
- Rod clamp (GL-RC)
- Carrying case
- AA battery x 4pcs
- 9V alkaline battery
- Shoulder strap

\*Elevating tripod is optional

# G-410SR

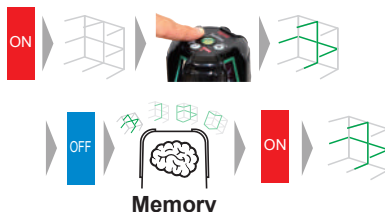
## High Function & Slim body



### Check

#### Line memory function

Work can be done efficiently by memorizing the settings when the power is turned off and eliminating the trouble of resetting when resuming work.



### Check

#### High temperature protection

The high temperature protection function is equipped with a temperature sensor, and the electronic circuit monitors and protects the unit.



### Check

#### Abnormal voltage protection

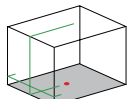
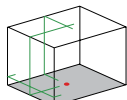
When a high voltage power supply is used, the module protection function works and the laser is not emitted.

### Specifications

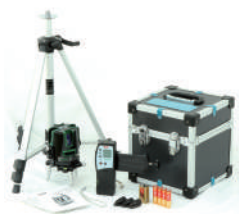
MODEL	G-410SR	Self-leveling range	±1.5°
Laser source	Visible laser diode (Line:Green / Down point:Red)	Operable temperature	-5°C ~ +40°C
Wavelength	510 ~ 520nm (Line)	IP function	IP54
Line width	within 2.5mm / 5m	Power	AA battery x 4 (Alkaline/NiMH) AC adapter
Laser class	2M (IEC:60825-1:2014)	Operate time (all lines)	approx. 2 hours
H & V line accuracy	±1mm / 7.5m	Size	L:116 × W:115 × H:195mm
Leveling system	Pendulum system	Weight	approx. 1.25kg (excluding battery)
CODE NO.	MODEL	REMARKS	
222886	G-410SR	Main unit / Detector set	

## Compact Real Green Line Laser

IP  
54



### Standard accessories



- Main unit
- Leg protection cap
- Manual
- Detector (GL-RES)
- Rod clamp (GL-RC)
- Carrying case
- AA battery x 4pcs
- 9V alkaline battery

\*Elevating tripod is optional

# G-210SR / 110SR

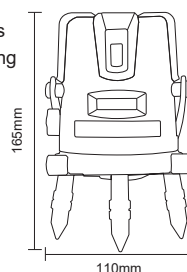
## High Performance Compact Design



### Check

#### Compact design

Achieving compactness by arranging and utilizing the maximum internal space.  
Handy size that fits securely in your hand.



### Check

#### Leg protection cap (rubber cap)

Rubber cap prevent slipping that occur during rotation the upper of main unit.



### Specifications

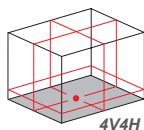
MODEL	G-210SR / G-110SR	Self-leveling range	±1.5°
Laser source	Visible laser diode (Line:Green / Down point:Red)	Operable temperature	-5°C ~ +40°C
Wavelength	510 ~ 520nm (Line)	IP function	IP54 (excluding battery box)
Line width	within 2.5mm / 5m	Power	AA battery x 4
Laser class	2M (IEC:60825-1:2014)	Operate time (all lines)	G-210SR : approx. 4 hours G-110SR : approx. 7 hours
H & V line accuracy	±1mm / 7.5m	Size	L:110 × W:115 × H:165mm
Leveling system	Pendulum system	Weight	approx. 0.75kg (excluding battery)
CODE NO.	MODEL	REMARKS	
223562	G-210SR	Main unit (2V1H) / Detector set	
223563	G-110SR	Main unit (1V1H) / Detector set	



## Electronic Automatic Leveling Multi Line Laser

## P-440EX

## Electronic Automatic Leveling x 4V4H lines



## Standard accessories

- Main unit
- Manual
- Charger
- AC adapter
- Carrying case
- NiMH battery x 4pcs
- Shoulder strap



## Specifications

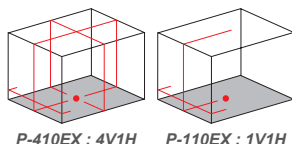
MODEL	P-440EX	Self-leveling range	±2.0°
Laser source	Visible laser diode (Line/Down point:Red)	Operable temperature	-10°C ~ +40°C
Wavelength	635nm (Line)	IP function	IP54
Line width	within 1.5mm / 5m	Power	AA battery x 4 (Alkaline/NiMH) AC adapter
Laser class	2M (IEC:60825-1:2014)	Operate time (all lines)	approx. 3 hours
H & V line accuracy	±1mm / 10m	Size	L:152 × W:148 × H:223mm
Leveling system	Electronic system	Weight	approx. 1.65kg (excluding battery)

CODE NO.	MODEL	REMARKS
220400	P-440EX	Main unit

## Compact Line Laser

## P-410EX / 110EX

## Lightweight &amp; Compact



P-410EX : 4V1H P-110EX : 1V1H

## Standard accessories

- Main unit
- Carrying case
- AA battery x 3pcs
- Leg protection cap
- Manual



## Specifications

MODEL	P-410EX / P-110EX	Self-leveling range	±2.0°
Laser source	Visible laser diode (Line / Down point:Red)	Operable temperature	-10°C ~ +40°C
Wavelength	635nm (Line)	IP function	IP54 (excluding battery box)
Line width	within 1.5mm / 5m	Power	AA battery x 3
Laser class	2M (IEC:60825-1:2014)	Operate time (all lines)	P-410EX : approx. 3.5hours P-110EX : approx. 6hours
H & V line accuracy	±1mm / 7m	Size	L:110 × W:115 × H:165mm
Leveling system	Pendulum system	Weight	approx. 0.9kg (excluding battery)

CODE NO.	MODEL	REMARKS
219300	P-410EX	Main unit
219302	P-110EX	Main unit

## Optional Accessory

## Laser Detector



## for G-440SR / G-410SR

CODE NO.	MODEL	REMARKS
220910	GL-RE4	Detector
219849	GL-RC	Rod clamp
221325	GL-RE4/GL-RC	Detector / Rod clamp set

## Specifications

MODEL	GL-RE4
Operating range	1m ~ 20m
Size	H:150 x W:55 x D:28mm
Weight	approx. 150g (including battery)



## for G-210SR / G-110SR

CODE NO.	MODEL	REMARKS
221443	GL-RES	Detector
219849	GL-RC	Rod clamp
221444	GL-RES/GL-RC	Detector / Rod clamp set

## Specifications

MODEL	GL-RES
Operating range	1m ~ 20m
Size	H:150 x W:55 x D:28mm
Weight	approx. 150g (including battery)



## for Red line lasers

CODE NO.	MODEL	REMARKS
217837	TL-RE	Detector
217838	TL-RC	Rod clamp
216606	TL-RE/TL-RC	Detector / Rod clamp set

## Specifications

MODEL	TL-RE
Operating range	1m ~ 20m
Size	H:150 x W:52 x D:26mm
Weight	approx. 140g (including battery)



## for Red line lasers

CODE NO.	MODEL	REMARKS
217834	RE-20IP	Detector
217835	RC-2	Rod clamp
216255	RE-20IP/RC-2	Detector / Rod clamp set

## Specifications

MODEL	RE-20IP
Operating range	1m ~ 20m
Size	H:165 x W:55 x D:26.5mm
Weight	approx. 160g (including battery)



MODEL	G-440SR	G-410SR	G-210SR	G-110SR	P-440EX	P-410EX	P-110EX
Laser color	Green (Line) / Red (down point)				Red (line / down point)		
Wavelength (Line)	510nm ~ 520nm				635nm		
Laser class	2M (JIS : C6802:2014)						
Line width (at 5m)	within 2.5mm				within 1.5mm		
Down point dia. (at 1m)	approx. φ1.5mm						
Vertical & Horizontal line	±1mm /10m	±1mm / 7.5m			±1mm /10m	±1mm / 7m	
Upper cross (at 5m)	±1mm			-	±1mm		-
Down point (at 1m)	±1mm				±0.5mm	±1mm	
Right angle (at 3m)	±1mm			-	±1mm		-
Leveling system	Electronic system	Pendulum system			Electronic system	Pendulum system	
Self-leveling range	±2.0°	±1.5°			±2.0°		
Operable temperature	-5 ~ 40℃				-10 ~ 40℃		
IP function	IP54 (excluding battery box) *1						
Power	AA battery x 4 AC adaper		AA battery x 4		AA battery x 4 AC adaper	AA battery x 3	
Weight (excluding battery)	1.7kg	1.25kg	0.75kg		1.65kg	0.9kg	

\*1 : excluding G-210SR / G-110SR / P-410EX / P-110EX

## Optional Accessory

### Elevating Tripod



LET-B



LET-C



LET-S

#### Specifications

MODEL	LET-B	LET-C	LET-S
Elevating range	305mm	240mm	245mm
Maximum height	1,705mm	1,370mm	1,245mm
Minimum height	605mm	525mm	410mm
Weight	1.34kg	2.42kg	0.61kg
Standard accessory	Carrying case	Carrying case	Carrying case

CODE NO.	MODEL	REMARKS
213092	LET-B	Elevating Tripod for Line Laser (Standard)
213696	LET-C	Elevating Tripod for Line Laser (Robust type)
215950	LET-S	Elevating Tripod for Line Laser (Light type)

### Leveling Adapter



\*Bracket for G-210SR  
G-110SR  
P-410EX  
P-110EX



#### Specifications

MODEL	RL-TB
Size	74 dia. x H:56mm
Weight	450g
Screw size	5/8 inch male
Standard accessory	Bracket for G-210/110SR, P-410/110EX

CODE NO.	MODEL
213010	RL-TB

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