

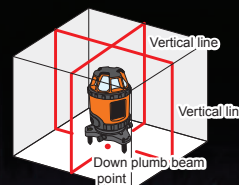
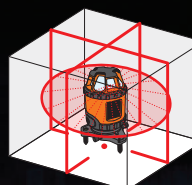
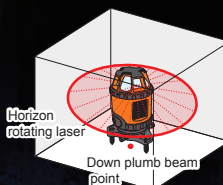
STS Combination Laser CLS240-V4



CLS240-V4

(with Tripod)

State-of-the-art Combination Laser



With Detector & Remote Controller

This is the combination of Rotating Laser and 4V Line Laser

Horizon: High accuracy, wide range and all round rotating system. Vertical: Efficient 4 lines laser beam.

Conform to IP54 for Water and Dust Proof

This instrument conforms to IP54 for Water and Dust Proof. It is protected from rain or dust.



Wide Using Range

By using included Detector, using range of Rotating Laser will be 120m in radius (240m in diameter) and of Line Laser will be max. 50m (double verticals 100m).

High Accuracy

Horizon: $\pm 0.5\text{mm}/10\text{m}$
Vertical: $\pm 1.0\text{mm}/10\text{m} (\pm 20'')$

Safety Mode Function

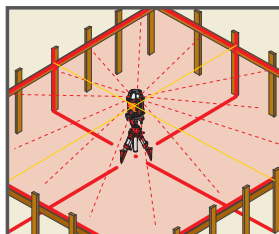
This is warning function to avoid measuring error due to vibration.

Slight Movement Screw

These screws are placed at both sides of right and left and can screw endlessly.

3 Way Power Supply

AC Adaptor and Rechargeable Battery are options.



Horizon

Double Verticals

90°

Down Plumb Beam Point

Slope

Multi-Detector

This Detector can be used for both Rotating Laser and Line laser only by switching.



Automatic Leveling by Electronic Control

Optional Laser Beam Patterns

You can choose the laser beam pattern freely from rotating laser beam ON/OFF and double vertical lines OFF or 1 vertical or 2 vertical lines.



《Basic set (with flat head tripod)》



《Elevator tripod set (with ELT-SL tripod)》
With elevator tripod with shifting function

Accessories

- Instrument
- Tripod
- Original Hard Case
- Remote Controller
- Detector
- Clamp for Detector
- Laser Glasses & Target
- C size dry battery x 4 pcs.
- 9V dry battery x 2 pcs.

Option (Do not include in the basic set)

- AC Adaptor (SAC-60)
- Rechargeable Battery Ni-MH-C2.4
Note: When using this rechargeable battery, AC Adaptor (SAC-60) is necessary.
- Sliding Stand for Detector (DST-150)

CLS240-V4	Specification
Laser source	635nm·650nm (Down Plumb Beam Point) Red Color semi-conductor laser
Output	Under 3mW Class 3R (JIS C6802:2005)
Pulse width/frequency	50 μ S / 10kHz \pm 10% (Vertical Line Laser)
Accuracy	Horizon: $\pm 10'' (\pm 0.5\text{mm}/10\text{m})$ Vertical: $\pm 20'' (\pm 1.0\text{mm}/10\text{m})$
Line laser beam width	1.5mm/5m
Automatic leveling system	Automatic leveling in electronic control $\pm 5''$
Measurement range	Rotating Laser: About 60m in diameter Condition: Indoor, eyesight, internal lightness 200~300LX About 240m in diameter with included Detector, MSS-120 Line Laser: About 30m Condition: Indoor, eyesight, depending on internal lightness Max. about 50m with included Detector, MSS-120.
Slope warning	<input type="checkbox"/> All lasers blink and stop rotation.
Rotating function	<input type="checkbox"/> 360°
Rotation slight movement device	<input type="checkbox"/> endless all round movement is available. Placed at left and right sides.
Scanning mode	Long/Middle/Short/Dot 4 stages (Rotating Laser)
Rotating speed	High (about 500RPM) Low (about 200RPM) 2 stages
Power supply	Alkaline C size dry battery x 4 pcs. Rechargeable Battery (Option) (Recharging hours about 12 h) AC100V (Need AC Adaptor for option)
Continuous operating time	Emission of all lasers: about 9 h Emission of H laser: about 20 h Emission of 2V lasers: about 24 h Emission of 1V laser: about 36 h (Using alkaline battery) Rechargeable battery: emission of all lasers about 5 h
Battery life warning	<input type="checkbox"/> Power Pilot Lamp blink
Using temperature range	-10°C ~ 45°C
Safety mode	<input type="checkbox"/> Safety Mode Lamp blink, Rotation stop, Laser beam blink.
Simple slope setting	X, Y 2 axes
Size/weight	140 x H288mm 2.6kg
Water and dust proof	<input type="checkbox"/> Conform to IP56
MSS-120 (Detector)	Specification
Display	LCD display, high brightness LED (3 colors) at front side, side display, buzzer sound.
Detecting distance	Rotating Laser: 1.5m ~ max. 120m in radius (Max. 240m in diameter.) Line Laser: 1.5m ~ max. 50m (depending on using environment)
Detecting accuracy	Rotating Laser: High $\pm 1\text{mm}$ Low $\pm 2.5\text{mm}$ Line Laser: Within 15m: $\pm 0.5\text{mm}$ Under 35m: $\pm 1.0\text{mm}$ Over 35m: $\pm 1.5\text{mm}$
Power supply	S-006P (6F22) Layered dry battery (9V) x 1 pc.
Continuous operating time	About 30 h
Using temperature range	-10°C ~ 45°C
Battery life warning	<input type="checkbox"/>
Vial	2 pcs. in vertical and horizon
Automatic power off	<input type="checkbox"/> About 10 min. after last operation or detection
Size/weight	150 x 80 x 28mm 0.2kg
GRC-400VH (Remote Controller)	Specification
Using range	Max. about 50m (Depending on using environment)
Power supply	Layered Dry Battery 9V S-006P (6F22) type
Size/weight	190 x 60 x 26mm 0.15kg