

PROFESSIONAL LINE LASER

LASER LEVEL

INSTRUCTION FOR USE LASE LEVEL

Please read the manual before using.

I. Class & Function

	Number of lines		Working Environment	Leveling System
	Horizontal	Vertical		
1V1H	1	1	Indoor & Outdoor	Magnetic damping system
2V1H	1	2	Indoor & Outdoor	Magnetic damping system
4V1H	1	4	Indoor & Outdoor	Magnetic damping system

II. Figure



III. Introductions

All the above products are equipped with semiconductor diode with wavelength of 635nm (wavelength of down point: 650nm); and the laser beams are of supreme visibility.

And the products can provide two or more fan-shaped surfaces of laser beam. When those surfaces are projected on the wall, they will form a horizontal line and one or more vertical lines (so-called multi line/ cross line laser). The intersection angle between every two vertical lines is

90° , and the cross point is just the zenith point.

When twisting the fine adjustment knob, the laser beam can locate the target conveniently and precisely.

When the Lock-unlock switch is turned to position Unlock, it will make laser diode flashing and alarm immediately when the slope of instrument exceed leveling range. When the Lock-unlock switch is turned to position Lock, it won't make laser diode flashing or alarm even if the slope of instrument exceed leveling range, but you can measure the incline angle.

When turning off the power, please turn Lock-unlock switch to position Lock, it will avoid vibration in the transportation. The red laser glasses (accessory) can raise the visibility of laser beam, especially in bright environment or far distance.

The 5/8 screw-hole in the center of base can be used to stabilize the instrument on the elevator tripod, and then adjusting the height of horizontal line will be more easily. The instrument is easy-operating, which is be widely applied in indoor-construction, decoration as well as equipment installment and so on.

IV. Direction

- (1) Please set the instrument on the tripod or flat surface, and then adjust position of instrument roughly.
- (2) Key-power switches (on the top of the instrument) on and off the instrument.
- (3) If you want the incline angle measurement function, turn the lock-unlock switch to position lock; if you want self-leveling function, turn the lock-unlock switch to position unlock.
- (4) Turn around the instrument making the laser beam to the target. Twist the fine adjustment knob searching for the right working direction.
- (5) Key- H switches the Horizontal laser.
- (6) Key- V switches the Vertical laser.
- (7) After using, do turn the lock-unlock switch to position lock. It will lock your delicate pendulum steadily to anti shock from transport or it will affect instrument's accuracy.

(8) Please do not charging when there are batteries in the instrument. If you do not use the instrument, please take out the batteries. The accessory batteries not rechargeable.

(9) Don't look straight beam laser radiation. This product is class II laser products, harmless to the human body. It is forbidden to stress, vibration.

(10) Products are placed in ventilated, dry warehouse, heat insulation, fire prevention, it is strictly prohibited contact with corrosive materials. Product dis-assembly, please take put down gently, can not throw or drop.

V. Accessories

Standard accessories:

Red glasses, charger, 3 AA batteries, plastic case, belt.

VI. Specification:

Laser Beam	4V1H
Laser wave length	Vertical laser & horizontal laser:635nm Down point:650nm
Working distance	Radius: approximately 10m
Leveling range	Approximately +/-2.5°
Emitting angle	Approximately 110°
Horizontal accuracy	± 1mm/5m
Vertical accuracy	± 1mm/5m
Right Angle accuracy	90° ± 2.5°
Spot accuracy	± 1mm/5m
Power supply	DC4.5(AA1.5Vx3)
Continuous operating time	About 13 hours
Working temperature	-10℃ -50℃