


**PLV 系列**  
Series Laser  
Plummet

# 高精度激光垂准仪

High definition optical system with a wider range of view 

It uses a high-definition optical system to achieve clearer images.

The ultra-short viewing distance of 0.4M provides a wider measurement range

Innovative weight technology, horizontal and vertical spindle concentric

The internal structure and optical path have been improved, making the upper and lower laser points completely coaxial.

Advanced spindle system technology for reliable and stable testing

Combining advanced spindle processing technology with high accuracy,

Stability and impact resistance

Humanized design of potentiometer knobs

It combines adjustable brightness with a double power switch design.

Meet instrument operators' habits.

## More Details



## Optional accessories



Laser target



Stepless focusing  
No jump/Teeth removal



Easily deal with  
harsh environment



型号 Model		PLV-1A	PLV-1B
一测回垂直测量标准偏差 Standard deviation of up vertical view		1/45000	1/45000
向下对径观测极限误差 Infinity error of down viewing		1/2000	1/2000
长水准器角值 Precision of plate vial		20" /2mm	20" /2mm
望远镜 Telescope	放大倍率 Magnification	25 ×	25 ×
	视场角 view angle	1° 30′	1° 30′
	物镜有效孔径 objective effective aperture	36mm	36mm
	最短视距 Shortest viewing distance	0.4m	0.4m
激光上对点 Up laser point	发光功 light power	5mw	5mw
	激光有效射程 Laser effective range	≥ 120m( 白天 day) ≥ 250m( 夜间 night)	≥ 120m( 白天 day) ≥ 250m( 夜间 night)
	激光光斑直径 Laser diameter	≤ 3mm/80m	≤ 3mm/80m
激光下对点 Down laser point	距离范围 Distance range	0 ~ 5m(最佳距离) Best distance range	0 ~ 5m(最佳距离) Best distance range
	出射功率 Light Power	0.5mw	0.5mw
基座与本体结构 Base and mainbody structure		分体式 separate style	一体化 Integration
视准轴与竖轴偏差 The error between collimation axle and vertical axle		≤ 5"	≤ 5"
激光聚集光斑与视准轴偏差 Consistency between laser axle and collimation axle		≤ 5"	≤ 5"
开关类型 Switch type		电位器旋钮开关 Rotary switch	电位器旋钮开关 Rotary switch
可选配件 Optional Accessory	激光标靶 Laser target	150mm*150mm*3mm	150mm*150mm*3mm
电源 Power		2 节 5 号干电池 (或可充电电池) 2pcs No.5 cells or recharged cells	2 节 5 号干电池 (或可充电电池) 2pcs No.5 cells or recharged cells
仪器正常工作温度范围 Working temperature range		-20℃ ~ +50℃	-20℃ ~ +50℃
仪器重量 Weight		2.8kg	2.8kg

We reserve the right to change the parameters and photos in the catalog without prior notice to continually improve the performance of our products.

If you are interested in this product, please feel free to contact us.

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