



ALV32

Magnetic Damping Automatic Level

The ALV32 Magnetic Damping Automatic Level is a high-precision and highly stable measuring instrument widely used in engineering surveying, construction, infrastructure development, and geological exploration. The instrument achieves automatic leveling through advanced magnetic damping technology, offering exceptional stability and reliability while improving measurement accuracy and work efficiency.



- **Standard Deviation**

The standard deviation for double-run leveling per kilometer is 1.5 mm, suitable for high-precision surveying tasks with strict requirements.

- **Resolution and Magnification**

With 32× magnification and 4.2" resolution, it ensures clearer observation of distant objects.

- **Compensator and Waterproof Design**

Equipped with a magnetic damping V-shaped suspension and compensator to ensure stability and accuracy. Additionally, it has an IPX4 waterproof rating, suitable for use in harsh weather conditions.

- **Field of View and Minimum Focusing Distance**

The level offers a field of view of 1° 20' and a minimum focusing distance of 0.4 m, meeting measurement needs in various environments.

- **Working Range and Mounting**

The instrument has a compensation range of ±15', suitable for various complex measurement scenarios. It supports M16 or 5/8" threaded tripod mounting for wide compatibility.

ALV32

— Technical Specifications

Standard Deviation per Kilometer	1.5mm
Telescope Image	Erect image
Resolution	4.2"
Magnification	32x
Objective Aperture	36mm
Field of View	1°20'
Minimum Focusing Distance	0.4m
Stadia Multiplier Constant	100
Stadia Additive Constant	0
Circular Bubble Sensitivity	8' / 2mm
Horizontal Circle Graduation	1° or 1gon
Compensator Type	V-wire suspension with magnetic damping
Compensation Range	±15'
Compensator Accuracy	±3"
Tripod Thread	M16 or 5/8"
Base Shape	Spherical/Flat
Waterproof Rating	IPX4