

AL Automatic Levels

Applications

- Jobsite leveling and cut/fill measurements
- Buildings, profiles, area leveling, and landscaping
- Horizontal angle and distance measurement estimations



Accurate, Affordable, Easy To Use



The Spectra Precision® AL series automatic levels are designed to deliver to contractors, engineers, and building professionals the highest level of accuracy for a variety of elevation control and alignment tasks including general building construction, cut and fill measurements, area leveling, and landscaping.

Key Features

Choice of Magnification

- 20x, 24x, 28x or 32x magnifications suited to various applications.

Choice of Magnetic or Air Damped

- Magnetic compensators are ideally suited for use in high vibration areas. Air damped compensators are best suited to achieve higher accuracy at longer distances.

Superior Optics

- Bright, sharp images even in low light conditions.

Continuous Horizontal Tangent Drives

- Double-sided, continuous horizontal tangent drives allow smooth, easy aligning to the target; right or left hand use.

Stadia Lines

- Stadia lines for simple distance measurement - adds versatility to the instrument.

Angle Measurement

- Horizontal scale directly below the eyepiece makes angle measurement quick and convenient

Water Resistant Construction

- Built for use in harsh construction environments.

Built-in Bubble Mirror

- Easy to see circular bubble for quicker setup and leveling.

Metal Housings

- Rugged metal housings provide increased durability.

Hard-shell Carrying Case

- Protects the instrument when not in use

User Benefits

- Multiple magnifications and compensation methods to fit all jobsite conditions
- Quick, easy setup and adjustment with built-in bubble mirror and continuous horizontal tangent drives
- Built-in sighting scope for quick sighting to grade rods
- Complete packages available with tripods and grade rods
- Hard shelled carrying case with plumb bob, toolkit, rain hood



AL Automatic Levels

Specifications

| Model | AL32A | AL24A | AL28M | AL24M | AL20M |
|-------------------------|---|------------------|----------|----------|----------|
| Magnification | 32X | 24X | 28X | 24X | 20X |
| Dampening | Air | Air | Magnetic | Magnetic | Magnetic |
| Accuracy* | +/-1.0mm | +/-2.0mm | +/-1.5mm | +/-2.0mm | +/-2.5mm |
| Leveling Accuracy @ 50m | 0.5mm | 1.2mm | 2.5mm | 2.5mm | 2.5mm |
| Telescope: | | | | | |
| Aperture | 30mm | | | | |
| Telescope image | Erect | | | | |
| Field of view angle | 1°20' | | | | |
| Shortest focus distance | 0.65m (2.13 ft.) | 0.60m (1.97 ft.) | | | |
| Stadia constant | 100 | | | | |
| Addition constant | 0 | | | | |
| Dimensions (L x W x H): | | | | | |
| Instrument | 103 x 190 x 135mm (5.2 x 7.5 x 5.3 in.) | | | | |
| Case | 170 x 280 x 190mm (6.7 x 11 x 7.5 in.) | | | | |
| Weight: | | | | | |
| Instrument | 1.6 kg (3.5 lb) | | | | |
| Case | 1.25kg (2.75 lb) | | | | |

* Standard deviation according to DIN 18723 on 1 km of double leveling



Magnetic Damped Model



Air Damped Model



Each auto level comes equipped with a plumb bob, adjustment tools, rain hood and a hard-shell carrying case with strap.

Complete kits are available and include the auto level, tripod and grade rod



Spectra Precision Manufactures a Complete Line of Rotary Lasers, Machine Display Receivers, Rod Mounted Receivers and Pipe Lasers



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