

Auto Levels

AS/AE Series

- Four models to choose from: AS-2/2C, AE7/7C
- Compact and lightweight
- Waterproof construction
- Automatic air-dampened compensator
- Standard optical sight lens
- Powerful telescopes with improved minimum focusing
- Carrying case, adjusting pins and lens cap included

Nikon AS/AE Series auto levels feature waterproof, nitrogen-filled, high-power telescopes that help you make precise measurements even in the wettest conditions. They feature a unique automatic air-dampened compensator to prevent magnetic interference, and an endless horizontal fine drive to ensure smooth, precise pointing and angular measurement. AS/AE Series auto levels are easy to set up and easy to use. All four models can attach to both flat- and spherical-head tripods, and the standard optical sight lens helps you find your target quickly, easily and accurately. A mirror with a pentaprism lets you view the circular bubble as an erect image during setup and sighting.

SPECIFICATIONS	AS-2/2C	AE-7/7C
TELESCOPE		
Tube length	10.2 in (259 mm)	8.7 in (220 mm)
Image	erect	erect
Magnification	34x	30x
Effective diameter of objective lens	1.77 in (45 mm)	1.57 in (40 mm)
Field of view	1°20' (2.3 ft @ 100 ft)	1°30' (2.6 ft @ 100 ft)
Minimum focusing distance	3.28 ft (1.0 m)	0.98 ft (0.3 m)
Stadia ratio	1:100	1:100
Stadia additive constant:	0	0
Resolution power	2.5"	3"
LEVEL VIAL SENSITIVITY		
Circular level	10'/2 mm	10'/2 mm
STANDARD DEVIATION (1-km double-run leveling)		
Without micrometer	±0.8 mm	±1.0 mm
With micrometer	±0.4 mm	±0.45 mm
AUTOMATIC COMPENSATOR		
Type	wire-hung, air damper	wire-hung, air damper
Compensation range	±12'	±16'
Setting accuracy	±0.3"	±0.35"
HORIZONTAL CIRCLE		
Diameter of circle	3.2 in (80 mm) (AS-2C only)	4.6 in (118 mm) (AE-7C only)
Minimum increment	1°/1 g	1°/1 g
Reading estimation:	1'/1 cg	0.1°/0.1 g
DIMENSIONS		
Instrument (L x H x W)	10.2 x 5.4 x 5.6 in (259 x 136 x 142 mm)	8.7 x 5.4 x 5.6 in (220 x 136 x 142 mm)
Carrying case	14.9 x 7.7 x 7.8 in (379 x 195 x 197 mm)	14.9 x 7.7 x 7.8 in (379 x 195 x 197 mm)
WEIGHT		
Instrument	4.0 lb (1.8 kg)/4.2 lb (1.9 kg)	3.7 lb (1.7 kg)
Carrying case	4.0 lb (1.8 kg)/4.2 lb (1.9 kg)	4.0 lb (1.8 kg)/4.2 lb (1.9 kg)