

Nikon

Automatic Levels **AP-8/AC-2S/AX-2S**



Our Level Best

Precise and Simple for Civil Engineering and Construction

Features

- Compact and lightweight design (1.25kg / 2.8 lbs.).
- Built-in magnetic dampened automatic compensator levels the line-of-sight within the range of $\pm 16'$ with setting accurate to within $\pm 0.5''$.
- Minimum focusing distance of 0.75m (2.46 ft.) for operating in confined spaces.
- Detachable eyepiece lens can be replaced with an optional diagonal eyepiece prism.
- Horizontal tangent knobs have an unlimited range and can be operated with either hand. A friction brake enables quick, easy setting.
- Baseplate designed for flat- or domed-head tripod mounting.
- Water-resistant body construction allows use in light rain or dusty conditions.

Standard accessories

- Plastic carrying case with strap
- Objective lens cap
- Plumb bob
- Adjustment tool
- Vinyl dust cover
- Instruction manual



Specifications

	AP-8	AC-2S	AX-2S
Telescope			
Tube length	190mm (7.5 in.)	190mm (7.5 in.)	190mm (7.5 in.)
Image Erect	Erect	Erect	Erect
Magnification	28x	24x	20x
Effective diameter of objective lens	30mm (1.2 in.)	30mm (1.2 in.)	30mm (1.2 in.)
Field of view	1°30'	1°30'	1°30'
Minimum focusing distance	0.75m (2.46 ft.)	0.75m (2.46 ft.)	0.75m (2.46 ft.)
Stadia line	R	R	R
Level vial sensitivity			
Circular level vial	10'/2mm	10'/2mm	10'/2mm
Horizontal circle			
Diameter of circle	110mm (4.3 in.)	110mm (4.3 in.)	110mm (4.3 in.)
Graduation interval degree gon	1° 1gon	1° 1gon	1° 1gon
Reading estimation degree gon	0.1° 0.1gon	0.1° 0.1gon	0.1° 0.1gon
Automatic compensator			
Working range	$\pm 16'$	$\pm 16'$	$\pm 16'$
Setting accuracy	$\pm 0.5''$	$\pm 0.5''$	$\pm 0.5''$
Standard deviation per 1-km double-run leveling	$\pm 1.5\text{mm}$	$\pm 2.0\text{mm}$	$\pm 2.5\text{mm}$
Weight			
Instrument	1.25kg (2.8 lbs.)	1.25kg (2.8 lbs.)	1.25kg (2.8 lbs.)
Carrying case	1.2kg (2.7 lbs.)	1.2kg (2.7 lbs.)	1.2kg (2.7 lbs.)

Optional accessory

- Diagonal eyepiece prism



Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. June 2001
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