



Compact, lightweight and water resistant, plus superior Nikon optics



The Nikon® AP-8/AC-2S/AX-2S automatic levels from Tripod Data Systems™ (TDS) deliver a high level of accuracy and ease of use for a variety of civil engineering and construction applications. Compact and lightweight, they are also built rugged and water resistant, giving you reliable performance in light rain or dusty job sites. Nikon's world-renowned optics provide brighter, clearer images and an improved minimum focusing distance for working in confined spaces. Plus, a built-in magnetic-dampened compensator automatically levels the line of sight.

See brighter, sharper images with improved minimum focusing

You'll see the difference when you look through a Nikon automatic level. Nikon's legendary optics effectively let in more light. The result is brighter, sharper images, especially in low-visibility conditions. You'll see much more detail and much less distortion. Better optics help you aim more precisely, and they're much easier on your eyes—something you'll really appreciate on long workdays.

The AP-8 features a 28x magnification telescope, while the AC-2S has a 24x telescope and the AX-2S has a 20x telescope. All three offer improved minimum focusing distance—now 2.46 ft (0.75 m) for better performance in tight spots and on steep slopes.

Rugged construction with built-in reliability

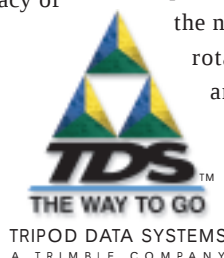
The AP-8, AC-2S and AX-2S are compact and light, weighing just 2.8 lbs (1.25 kg) each for convenient field use. Rugged, water-resistant construction lets you work in light rain or dusty conditions. All AP-8, AC-2S and AX-2S levels feature a built-in magnetic-dampened automatic compensator to level the line of sight. The compensation range is $\pm 16'$, with a setting accuracy of within $\pm 0.5''$.



The lightweight, water-resistant AP-8, AC-2S and AX-2S automatic levels feature a built-in magnetic-dampened automatic compensator to level the line of sight.

Easy to set up and use

The AP-8, AC-2S and AX-2S help you get to work quickly. All three models can attach to both flat- and spherical-head tripods. Horizontal tangent knobs have an unlimited range to ensure smooth, precise pointing and angular measurement, and you can operate them with either hand. The new friction brake eliminates the need for horizontal alignment clamps, allowing for rapid rotation. And with the detachable eyepiece lens, you can use an optional diagonal eyepiece prism for working in extremely close quarters.



Data Collection



GPS/GIS



Office Software



Construction

Automatic Levels

AP-8/AC-2S/AX-2S Specifications

AP-8, AC-2S and AX-2S include:

- Carrying case with shoulder strap
 - Objective lens cap
 - Plumb bob
 - Adjustment tool
 - Vinyl dust cover
- Optional:
- Diagonal eyepiece prism

	AP-8	AC-2S	AX-2S
TELESCOPE			
Tube length:	7.5 in (190 mm)	7.5 in (190 mm)	7.5 in (190 mm)
Image:	erect	erect	erect
Magnification:	28x	24x	20x
Effective diameter of objective lens:	1.2 in (30 mm)	1.2 in (30 mm)	1.2 in (30 mm)
Field of view:	1°30' (2.6 ft @ 100 ft)	1°30' (2.6 ft @ 100 ft)	1°30' (2.6 ft @ 100 ft)
Minimum focusing distance:	2.46 ft (.75 m)	2.46 ft (.75 m)	2.46 ft (.75 m)
Stadia line:	yes	yes	yes
LEVEL VIAL SENSITIVITY			
Circular level:	10"/2 mm	10"/2 mm	10"/2 mm
HORIZONTAL CIRCLE			
Diameter of circle:	4.3 in (110 mm)	4.3 in (110 mm)	4.3 in (110 mm)
Graduation interval:			
Degree	1°	1°	1°
Gon	1 gon	1 gon	1 gon
Reading estimation:			
Degree	0.1°	0.1°	0.1°
Gon	0.1 gon	0.1 gon	0.1 gon
AUTOMATIC COMPENSATOR			
Type:	wire-hung, magnetic damper	wire-hung, magnetic damper	wire-hung, magnetic damper
Working range:	±16'	±16'	±16'
Setting accuracy:	±0.5"	±0.5"	±0.5"
STANDARD DEVIATION			
per 1-km double-run leveling:	±1.5 mm	±2.0 mm	±2.5 mm
DIMENSIONS			
Instrument (L x H x W):	7.5 x 5.0 x 4.8 in (190 x 128 x 123 mm)	7.5 x 5.0 x 4.8 in (190 x 128 x 123 mm)	7.5 x 5.0 x 4.8 in (190 x 128 x 123 mm)
Carrying case (L x H x W):	11.5 x 6.7 x 6.4 in (292 x 170 x 163 mm)	11.5 x 6.7 x 6.4 in (292 x 170 x 163 mm)	11.5 x 6.7 x 6.4 in (292 x 170 x 163 mm)
WEIGHT			
Instrument:	2.8 lbs (1.25 kg)	2.8 lbs (1.25 kg)	2.8 lbs (1.25 kg)
Carrying case:	2.7 lbs (1.2 kg)	2.7 lbs (1.2 kg)	2.7 lbs (1.2 kg)

Your local TDS dealer



THE WAY TO GO
TRIPOD DATA SYSTEMS
A TRIMBLE COMPANY
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