

Nikon AP-8 / AC-2S / AX-2S Series Automatic Levels

Specifications Sheet

| | AP-8 | AC-2S | AX-2S |
|--|---|---|---|
| Telescope | | | |
| Tube length | 190 mm (7.5 in) | 190 mm (7.5 in) | 190 mm (7.5 in) |
| Image | erect | erect | erect |
| Magnification | 28x | 24x | 20x |
| Effective diameter of objective lens | 30 mm (1.2 in) | 30 mm (1.2 in) | 30 mm (1.2 in) |
| 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 | 0.75 m (2.46 ft) | 0.75 m (2.46 ft) | 0.75 m (2.46 ft) |
| Stadia ratio | 1:100 | 1:100 | 1:100 |
| Stadia additive constant | 0 | 0 | 0 |
| Level Vial Sensitivity | | | |
| Circular level | 10/2 mm | 10/2 mm | 10/2 mm |
| Standard Deviation | | | |
| (1 km double-run leveling) Without micrometer | ±1.5 mm | ±2.0 mm | ±2.5 mm |
| Automatic Compensator | | | |
| Type | wire-hung, magnetic damper | wire-hung, magnetic damper | wire-hung, magnetic damper |
| Compensation range | ±16' | ±16' | ±16' |
| Setting accuracy | ±0.5" | ±0.5" | ±0.5" |
| Horizontal Circle | | | |
| Diameter of circle | 110 mm (4.3 in) | 110 mm (4.3 in) | 110 mm (4.3 in) |
| Minimum increment | 1°/1 g | 1°/1 g | 1°/1 g |
| Reading estimation | 0.1°/0.1g | 0.1°/0.1g | 0.1°/0.1g |
| Dimensions | | | |
| Instrument (L x H x W) | 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 (7.5 x 5.0 x 4.8 in) |
| Carrying case | 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 (11.5 x 6.7 x 6.4 in) |
| Weight | | | |
| Instrument | 1.25 kg (2.8 lb) | 1.25 kg (2.8 lb) | 1.25 kg (2.8 lb) |
| Carrying case | 1.2 kg (2.7 lb) | 1.2 kg (2.7 lb) | 1.2 kg (2.7 lb) |



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