

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)



Vectors Colorado - (303) 283-0343
10670 East Bethany Drive, Bldg 4
Aurora, CO 80014

Vectors New Mexico - (505) 821-3044
5640 Venice Avenue, Unit J
Albuquerque, NM 87113



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Contact Information:

AMERICAS

Spectra Precision Division
10368 Westmoor Drive
Westminster, CO 80021, USA
+1-720-587-4700 Phone
888-477-7516 (Toll Free in USA)

EUROPE, MIDDLE EAST AND AFRICA

Spectra Precision Division
Rue Thomas Edison
ZAC de la Fleuriaye - CS 60433
44474 Carquefou (Nantes), France
+33 (0)2 28 09 38 00 Phone

ASIA-PACIFIC

Spectra Precision Division
80 Marine Parade Road
#22-06, Parkway Parade
Singapore 449269, Singapore
+65-6348-2212 Phone



www.spectraprecision.com

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