

AT-G Series Specifications

TECHNICAL SPECIFICATIONS

AUTO LEVELS	AT-G1	AT-G2/G2A	AT-G3	AT-G4	AT-G6	AT-G7
Telescope:						
Length (mm/in.)	229/9	229/9	230/9	192/7.7	193/7.7	204/8
Image	Erect	Erect	Erect	Erect	Erect	Erect
Magnification	32x	32x	30x	26x	24x	22x
Objective Lens (mm/in.)	45/1.8	45.1.8	40/1.6	30/1.2	30/1.2	30/1.2
Relative Brightness	1.98	1.98	1.78	1.33	1.56	1.86
Field Of View	1° 20'	1° 20'	1° 30'	1° 30'	1° 30'	1° 30'
Resolving Power	2.5"	2.5"	3.0"	3.5"	4.0"	4.0"
Minimum Focus (m/ft.)	1.0/3.3	1.0/3.3	0.5/1.6	0.5/1.6	0.5/1.6	0.9/2.9
Stadia Constant	0	0	0	0	0	0.1
Stadia Ratio	100	100	100	100	100	100
Sensitivities of Levels:						
Main Level (/2mm)	—	—	—	—	—	—
Circular Level (/2mm)	8'	8'	8'	8'	8'	10'
Tilting Range	—	—	—	—	—	—
Automating Leveling:						
Setting Accuracy	± 0.3"	± 0.3"	± 0.3"	± 0.3"	± 0.3"	± 0.5"
Compensating Range	± 15'	± 15'	± 15'	± 15'	± 15'	± 10'
Accuracy 1km Double Run Level:						
Without Optical Micrometer (mm)	± 0.7	± 0.7	± 1.5	± 2.0	± 2.0	± 2.5
With Optical Micrometer (mm)	± 0.4	± 0.4	± 1.0	—	—	—
Horizontal Circle:						
Diameter (mm/in.)	90/3.5	90/3.5	117/4.6	117/4.6	117/4.6	102/4.0
Minimum Division	10'(0.1g)	1° (1g)	1° (1g)	1° (1g)	1° (1g)	1° (1g)
Weight:						
Instrument (kgs/lbs.)	2.1/4.6	1.8/4.1	1.8/4.1	1.6/3.6	1.6/3.6	1.2/2.6
Carrying Case (kgs/lbs.)	1.3/2.9	1.3/2.9	1.3/2.9	1.3/2.9	1.3/2.9	1.2/2.6
Optional Accessories:						
Diagonal Eyepiece	•	•				
Optical Micrometer	•	•				
Illuminator 3	•	•				
40x Eyepiece	•					
Centering Eyepiece	•	•	•	•	•	•