



Description

Utilizing a finely tuned magnetic damping system, AT-B series automatic levels quickly level and stabilize the line of sight. These precision instruments ensure reliable leveling even when working near heavy equipment or busy highways where fine vibrations could be present. The automatic levels feature IPX6 protection against powerful water jets from all directions and are fully resistant to driving rain and splashing water.

Horizontal angles can be directly read in 1° or 1gon units. Free rotation feature allows you to read any angle from zero. The circle is covered for protection

against dirt and scratch. The readout window is located below the eyepiece for quick reading.

Features:-

- Durable, Dependable, High Value Auto Levels
- 3 Models - 32x, 28x, and 24x Magnifications
- Rapid, Accurate, and Stable Automatic Compensation
- Ultra-Short 20cm (7.9 in.) Focusing
- All-Weather Dependability
- Clampless, Endless Fine Horizontal Adjustments

Rapid, Stable, and Durable Compensator

The compensator of AT-B Series incorporates four suspension wires made of super-high-tensile metal that features minimal thermal expansion coefficient, providing unmatched durability and accuracy. Finely tuned magnetic damping system quickly levels and stabilizes the line of sight despite the fine vibrations present when working near heavy equipment or busy roadways.

Horizontal Circle for Angle Measurement

Horizontal angles can be directly read in 1° or 1gon units. Free rotation feature allows you to read any angle from zero. The circle is covered for protection against dirt and scratch. The readout window is located below the eyepiece for quick reading.

Specification

TELESCOPE	AT-B2	AT-B3	AT-B4
Length	215mm (8.46 in.)	215mm (8.46 in.)	215mm (8.46 in.)
Magnification	32X	28X	24X
Objective Aperture	42mm (1.65 in.)	36mm (1.42 in.)	32mm (1.26 in.)

Resolving Power	3 in.	3.5 in.	4 in.
Field of View	1°20'	1°25'	1°25' (at 100m/328ft.)
(at 100m/328ft.)	(2.3m/7.5 ft.)	(2.5m/8.2 ft.)	(2.5m/8.2 ft.)
Min. Focus from end of telescope	0.2m (7.9 in.)	0.2m (7.9 in.)	0.2m (7.9 in.)
Min. Focus from instrument center	0.3m (1 ft.)	0.3m (1 ft.)	0.3m (1 ft.)
Image	Erect	Erect	Erect
Stadia Constant	0	0	0
Stadia Ratio	100	100	100
Focusing Knob	2-speed	1-speed	1-speed
Sighting Aid	Peep Sight	Gun Sight	Gun Sight
ACCURACY	AT-B2	AT-B3	AT-B4
Without Micrometer	0.7mm (0.03 in.)	1.5mm (0.06 in.)	2.0mm (0.08 in.)
With Micrometer	0.5mm (0.02 in.)	n/a	n/a
COMPENSATOR	AT-B2	AT-B3	AT-B4
Type	Pendulum compensator with magnetic damping system		
Setting Accuracy	0.3 in.	0.5 in.	0.5 in.
Working Range	±15 ft.	±15ft.	±15 ft.
CIRCULAR LEVEL	AT-B2	AT-B3	AT-B4
Sensitivity	10 ft./2mm	10 ft./2mm	10 ft./2mm
HORIZONTAL CIRCLE	AT-B2	AT-B3	AT-B4
Diameter	103mm (4.1 in.)	103mm (4.1 in.)	103mm (4.1 in.)
Minimum Division	1°/1gon	1°/1gon	1°/1gon
GENERAL	AT-B2	AT-B3	AT-B4
Water Resistance	IPX6 (IEC 60529:2001)		
Operating Temperature	-4°F to +122°F (-20°C to +50°C)		

Width	5.12 in. (130mm)	5.12 in. (130mm)	5.12 in. (130mm)
Length	8.46 in. (215mm)	8.46 in. (215mm)	8.46 in. (215mm)
Height	5.51 in. (140mm)	5.51 in. (140mm)	5.31 in. (135mm)
Weight	4.1 lbs. (1.85kg)	3.7 lbs. (1.7kg)	3.7 lbs. (1.7kg)

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