

Product Name :
Auto Level (Topcon)

Product Code :
SUY0001



Description :

Auto Level (Topcon)

Technical Specification :

The Topcon AT-B series sets a new standard for auto levels used in surveying, engineering and construction applications. The AT-B4 automatic level features further enhanced reliability under all environmental conditions. With the IPx6 rating, the instrument is protected against powerful water jets from all directions, making it fully resistant to driving rain and splashing water. The Topcon AT-B4 quickly levels and stabilizes the line of sight with its finely tuned magnetic damping system, in spite of any fine vibrations present when working near heavy equipment or busy highways. Features: 24X magnification, WATERPROOF to IPX6 rating, short focus (1.6 ft. min.) magnetic damping, 360-Degree Horizontal Circle, Sighting Guide, 1:100 Stadia, Approximate Range-250 feet. 5 Year Manufacturers Warranty.

Package includes: Auto Level, Hard-Shell Carry Case, Plumb Bob, Weather Protective Bag, Lens cleaning cloth, Allen Wrench, and Operators Manual.

Topcon AT-B Series 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.

20cm (7.9 in.) - Ultra-Short Minimum Focus

The AT-B Series can focus on objects at 20cm (7.9 in.) in front of the telescope. This feature dramatically facilitates the works in confined spaces.

We are well-known manufacturers, OEM suppliers of Auto Level (Topcon) for Surveying Instruments. Contact us for high quality Auto Level (Topcon) for Surveying Instruments Lab for schools lab, college lab, universities, research labs, various teaching and workshop training laboratories and industries in India.

Topcon Auto Level AT-B Series Technical Specifications:

	Technical Specifications		
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 (at 100m/328ft.)	$1^\circ 20'$ [™] (2.3m/7.5 ft.)	$1^\circ 25'$ [™] (2.5m/8.2 ft.)	$1^\circ 25'$ [™] (at 100m/328ft.) (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	$\hat{A}\pm 15$ ft.	$\hat{A}\pm 15$ ft.	$\hat{A}\pm 15$ 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	$1^\circ/1$ gon	$1^\circ/1$ gon	$1^\circ/1$ gon
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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