

**AT-B
Series**

TOPCON

AUTO LEVEL



Durable, Dependable, Precise Auto Levels

- 3 Models - 32x, 28x and 24x Magnifications
- Rapid, Accurate, and Stable Automatic Compensation
- Ultra-Short 20cm Focusing
- All-Weather Dependability
- Endless Fine Horizontal Adjustments

It's time.

AT-B: For all levelling applications



20 cm - Ultra-Short Minimum Focus

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



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.



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.

All-Weather Dependability

With the IPx6 rating, the instrument is protected against powerful water jets from all directions, meaning the AT-B series withstands a sudden shower or torrential rainfall. The advanced protection design also deters clouding or condensation inside the telescope.



1 Quick sight

2 Strong, lightweight composite, dry-nitrogen charged body

3 Level vial, hinged sighting mirror and level vial protection cap

4 Fine horizontal adjustment

5 Integral tribrach leveling system with dome and flat tripod mounting plate

6 Rapid leveling, magnetically dampened leveling system

7 Focus adjustment

8 Rubber eyepiece cap

9 Angle indication
– 0° to 360° (0 g to 400 g)

Optional Accessories



Diagonal Eyepiece
DE16 (AT-B2)



40x Eyepiece
EL5 (AT-B2)



Diagonal Eyepiece
DE22 (AT-B3/B4)

Standard Package

- AT-B Level
- Plumb bob
- Hex wrench
- Adjusting pins
- Vinyl cover
- Cleaning cloth
- Lens cap
- User manual
- Hard carrying case



SPECIFICATIONS*

TELESCOPE	AT-B2	AT-B3	AT-B4
Length	215 mm		
Magnification	32X	28X	24X
Objective Aperture	42 mm	36 mm	32 mm
Resolving Power	3"	3.5"	4"
Field of view (at 100 m)	1°20' (2.3 m)	1°25' (2.5 m)	
Minimum Focus	0.2 m from end of telescope 0.3 m from instrument center		
Image	Erect		
Stadia Constant	0		
Stadia Ratio	100		
Focusing Knob	2-speed	1-speed	
Sighting Aid	Peep Sight		Gun Sight
ACCURACY (1km double run leveling)			
Without Micrometer	0.7 mm	1.5 mm	2.0 mm
With Micrometer	0.5 mm	n/a	
COMPENSATOR			
Type	Pendulum compensator with magnetic damping system		
Setting Accuracy	0.3"	0.5"	
Working Range	±15'		
CIRCULAR LEVEL			
Sensitivity	10' / 2mm		
HORIZONTAL CIRCLE			
Diameter	103 mm		
Minimum Division	1° / 1gon		
GENERAL			
Water Resistance	IPX6 (IEC 60529:2001)		
Operating Temperature	-20°C to +50°C		
Size (W x L x H)	130 mm x 215 mm x 140 mm		H: 135 mm
Weight	1.85 kg	1.7 kg	

* all technical changes are reserved by TOPCON, 07/2010

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Topcon is the worldwide leading developer and manufacturer of precision positioning equipment and offers the widest selection of innovative precision GPS systems, laser, optical surveying, machine control, GIS and agriculture products.



It's time.

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