## **AT-B Series**



# **AT-B** Series

**AUTO LEVEL** 



## 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

AT-B2
High-precision model

Magnification

32x

Minimum Focus

**20**cm



42<sub>mm</sub>

IPX6

re Aperture Accuracy

Accuracy **0.7** mm

Weight 1.85kg



Magnification

28x

Minimum Focus

**20**cm

objective Aperture

IPX6

36mm
Accuracy
1.5mm

Weight 1.5kg **AT-B4A**Economical model for engineering and construction



Magnification **24x** 

Objective Aperture 32mm

Accuracy **2.0**mm

Minimum Focus
20cm

Protection IPX6

Weight 1.5kg



## Rapid, Stable, and Durable Compensator

The compensator of the 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.



## 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.

## **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.



## **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.

#### **SPECIFICATIONS** AT-B2 AT-B3A AT-B4A Telescope 215mm (8.46in.) 214mm (8,42in, Length Magnification 32X 28> 24X Objective Aperture 42mm (1.65 in.) 36mm (1.42 in 32mm (1.26 in.) Resolving Power 1°20' (2.3m / 7.5ft.) 1°25' (2.5m / 8.2ft.) Field of View (at 100m/328ft.) Minimum Focus 0.2m (7.9 in.) from end of telescope 0.3m (1ft.) 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) 0.7mm (0.03 in.) 1.5mm (0.06 in.) Without Micrometer 2.0mm (0.08 in.) With Micrometer 0.5mm (0.02 in.) n/a Compensator Type Setting Accuracy Pendulum compensator with magnetic damping system ±15 Working Range Circular Level Sensitivity 10' / 2mm Horizontal Circle 103mm (4.1in.) 99mm (3.9in.) Diameter Minimum Division 1º/ 1gon General Water Resistance IPX6 (IEC 60529:2001) -20 to +50°C (-4 to +122°F) Operating Temperature Width 130mm (5.12in.) 122mm (4.8in.) 215mm (8.46in. Length 214mm (8,4in.) Height 140mm 51in. 1.85kg (4.1lbs.) Weight 1.5kg (3.3lbs.

## **Standard Package/ Optional Accessories**



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



Diagonal Eyepiece DE16 (AT-B2)



Optical Micrometer OM5 (AT-B2)



40x Eyepiece EL5 (AT-B2)

## **TOPCON OUALITY**

**Ultimate Environmental Performance and Durability** 

TOPCON has been performing environmental tests against a set of expected job site conditions to certify the products for long term use. The AT-B Series has been tested by special inspection equipment for complete waterproofness. The AT-B Series also has the highest environmental performance and durability in TOPCON's Auto Level history, proven by tests against temperature, humidity, vibration and drop.



Water Proof Test (IPX6)

The AT-B Series is proven to withstand powerful water iets from all directions without any submergence inside the unit.



**Cold and Heat Resistance Test** 

The AT-B Series has passed operating temperature tests from - 20 °C to + 50°C degree.



**Durability Test** 

The AT-B Series has passed strict durability tests including rotation of the leveling foot screw, Focusing knob and Horizontal fine motor screw.



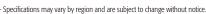
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