## **AT-B Series**

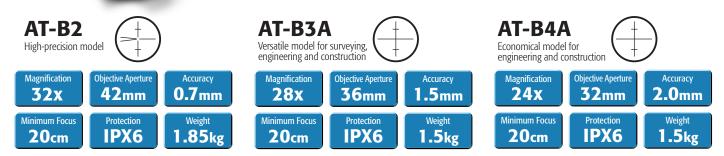


# **AT-B Series**





- 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-B Series**

#### **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.

|                       |           | AT-B2                                             | AT-B3A           | AT-B4A           |
|-----------------------|-----------|---------------------------------------------------|------------------|------------------|
| Telescope             |           |                                                   |                  |                  |
| Length                |           | 215mm (8.46in.)                                   | 214mm (8.42in.)  |                  |
| Magnification         |           | 32X                                               | 28X              | 24X              |
| Objective Aperture    |           | 42mm (1.65 in.)                                   | 36mm (1.42 in.)  | 32mm (1.26 in.)  |
| Resolving Power       |           | 3"                                                | 3.5″             | 4″               |
| Field of View         |           | 1°20' (2.3m / 7.5ft.) 1°25' (2.5m / 8.2ft.)       |                  | m / 8.2ft.)      |
| (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-s              | beed             |
| Sighting Aid          |           | Peep Sight Gun Sight                              |                  |                  |
| Accuracy (1km d       | ouble rur | leveling)                                         | -                |                  |
| 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               |
| Compensator           |           | · · · · · ·                                       |                  |                  |
| Туре                  |           | Pendulum compensator with magnetic damping system |                  |                  |
| Setting Accuracy      |           | 0.3″                                              | 0.5"             |                  |
| Working Range         |           | ±15'                                              |                  |                  |
| Circular Level        |           |                                                   |                  |                  |
| Sensitivity           |           | 10' / 2mm                                         |                  |                  |
| Horizontal Circle     |           |                                                   |                  |                  |
| Diameter              |           | 103mm (4.1in.)                                    | 99mm (3.9in.)    |                  |
| Minimum Division      |           | 1º/ 1gon                                          |                  |                  |
| General               |           |                                                   | . 2              |                  |
| Water Resistance      |           | IPX6 (IEC 60529:2001)                             |                  |                  |
| Operating Temperature |           | -20 to +50°C (-4 to +122°F)                       |                  |                  |
|                       | Width     | 130mm (5.12in.)                                   | 122mm (4.8in.)   |                  |
| 1                     | ength     | 215mm (8.46in.)                                   | 214mm (8.4in.)   |                  |
|                       | Height    | 140mm (5.51in.)                                   |                  |                  |
| Weight                |           | 1.85kg (4.1lbs.) 1.5kg (3.3lbs.)                  |                  |                  |

#### Standard Package/ Optional Accessories



- Hex wrench
- Adjusting pins
- Lens cap User manual

 Vinyl cover (AT-B2/B3A) Hard carrying case

Plumb bob(AT-B2/B3A)







Optical Micrometer OM5 (AT-B2)

**TOPCON QUALITY** 

#### 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.



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to + 50 °C degree.

Your local Authorized Dealer is:

Water Proof Test (IPX6)

The AT-B Series is proven to

withstand powerful water jets

from all directions without any

submergence inside the unit.



**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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40x Eyepiece EL5 (AT-B2)

**Cold and Heat Resistance Test** 

The AT-B Series has passed operat-

ing temperature tests from – 20 °C



