# 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-B Series SPECIFICATIONS**

| AI-D JEIIES JFECI                 |                                                   |                  |                  |
|-----------------------------------|---------------------------------------------------|------------------|------------------|
| 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.)                  | (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 (1km double run          | 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              | n/a              |
| COMPENSATOR                       |                                                   |                  |                  |
| Туре                              | 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                    |                                                   |                  |                  |
| Sensitivity                       | 10 ft./2mm                                        | 10 ft./2mm       | 10 ft./2mm       |
| HORIZONTAL CIRCLE                 |                                                   |                  |                  |
| Diameter                          | 103mm (4.1 in.)                                   | 103mm (4.1 in.)  | 103mm (4.1 in.)  |
| Minimum Division                  | 1°/1gon                                           | 1°/1gon          | 1°/1gon          |
| GENERAL                           |                                                   |                  |                  |
| 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) |

# **Standard Package**



- AT-B Level
- Plumb bob
- Hex wrench
- Adjusting pins
- Vinyl cover
- Cleaning clothLens cap
- User manual

#### Hard carrying case

- **Optional Accessories**
- Diagonal Eyepiece
  40x Eyepiece
- Optical Micrometer

### 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.

# 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.





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