



2024BL Alignment Telescope

Bright line & bright field reticles, metric micrometers

Like most of our alignment telescopes, the **2024BL** uses the design of the 2022 as its basic building block. However, the 2024BL has metric micrometers as well as a right angle eyepiece and a two-reticle system consisting of a dark field, bright line reticle as well as a bright field, dark line reticle. These features specifically enhance the unit's accuracy and ease of use when autocollimating. The 2024BL does not include a built-in auto-reflection target as many of our other alignment telescopes do. An autocollimation illumination unit (our model 508) is included with the instrument, operating at voltages from 110-220VAC.



See also similar instrument 2030 (with micrometers graduated in English units).

You can read more about our alignment telescopes on our website.



Specifications

Magnification: Varies from 4x at zero focus to 46x at infinity.

Focusing range: Zero to infinity.

Field of view: 37 minutes at infinity, 42 mm at zero focus.

Optical Micrometer:

- Built-in horizontal and vertical optical micrometers.
- Displacement: ± 1.2 mm, direct reading to 0.02 mm.
- Accuracy: ± 0.005 mm over full range.
- Scale graduations are red and black to indicate direction of displacement.

Brunson Instrument Company • 8000 E. 23rd Street • Kansas City, MO • 64129 • USA
Tel: 816-483-3187 • Toll free: 877-MEASURE • Sales@brunson.us • www.brunson.us

Effective aperture: 42 mm.

Optics: Fully coated optics used throughout.

Reticle: All-purpose, double glass, dustproof; cross-pattern with single lines top and right, paired lines bottom and left.

Eyepiece: Fully erect image; diopter scale. Right-angle eyepiece and complete projection accessories available.

Focusing knob: Drum graduated to show focusing distance in meters.

Telescope barrel: Made of through hardened stabilized stainless steel.

Barrel diameter: 57.14492 mm (+0, -0.0076 mm) or 2.2498" (+0", -0.0003") Meets A.I.A. specifications.

Barrel length: 23.3 cm.

Overall length: 45.1 cm.

Weight: Approx. 5.23 kg.

May be used with...

- 187-S Coincidence Striding Level
- 2230 Right Angle Eyepiece (discontinued)
- 2240 Combination Auto-Collimation, Projection, Right Angle eyepiece
- 3205 Cross Level
- 3220 Coincidence Striding Level (discontinued)
- 6202 Magnetic Back Mirror, 2 1/2"
- 6204 Magnetic Back Mirror, 4"
- Our alignment telescope bases