

SOKKIA

B20 · B30A · B40A

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

B20

High-precision model



Magnification 32x	Objective Aperture 42mm	Accuracy 0.7mm
Minimum Focus 20cm	Protection IPX6	Weight 1.85kg

B30A

Versatile model for surveying,
engineering and construction



Magnification 28x	Objective Aperture 36mm	Accuracy 1.5mm
Minimum Focus 20cm	Protection IPX6	Weight 1.5kg

B40A

Economical model for
engineering and construction



Magnification 24x	Objective Aperture 32mm	Accuracy 2.0mm
Minimum Focus 20cm	Protection IPX6	Weight 1.5kg

Rapid, Stable, and Durable Compensator

The compensator of B20/B30A/B40A 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.

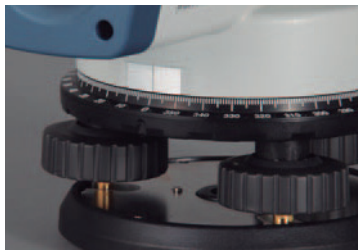


20cm (7.9 in.) - Ultra-Short Minimum Focus

B20/B30A/B40A 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 B20/B30A/B40A withstands a sudden shower or torrential rainfall. The advanced protection design also deters clouding or condensation inside the telescope.

	B2o	B30A	B40A
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 (at 100m/328ft.)	1°20' (2.3m / 7.5ft.)	1°25' (2.5m / 8.2ft.)	
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)			
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			
Type	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	1° / 1gon		
General			
Water Resistance	IPX6 (IEC 60529:2001)		
Operating Temperature	-20 to +50°C (-4 to +122°F)		
Size	Width	130mm (5.12in.)	122mm (4.8in.)
	Length	215mm (8.46in.)	214mm (8.4in.)
	Height	140mm (5.51in.)	
Weight	1.85kg (4.1lbs.)	1.5kg (3.3lbs.)	

Standard Package/ Optional Accessories



- Main unit
- Hex wrench
- Adjusting pins
- Vinyl cover (B20/B30A)
- Plumb bob (B20/B30A)
- Cleaning cloth
- Lens cap
- User manual
- Hard carrying case



Diagonal Eyepiece
DE16 (B20)



Optical Micrometer
OM5 (B20)



40x Eyepiece
EL5 (B20)

- Designs and specifications are subject to change without notice.
- Product colors in this brochure may vary slightly from those of the actual products owing to limitations of the printing process.

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