

SOKKIA

MADE TO FIT YOUR WORLD.

B-Series Automatic Levels



Excellent performance under any condition

Get outstanding precision for all your leveling tasks. The B-series levels incorporate the most accurate and reliable compensator available in the market today.

- Tough, compact bodies sealed against water, humidity, and dust
- Quick setup, easy sighting and superior durability against shock and vibration
- Exceptionally bright and sharp view

Precise, reliable automatic compensator

Four super-high-tensile suspension wires and a magnetic damping system ensure accuracy and stability even when exposed to temperature changes, vibrations, or shock.

Advanced telescope

The outstanding design of the telescope provides an exceptionally bright and sharp view that reduces operator's eye strain. Ultra-short focus distance of 20 cm from end of telescope* makes it easy to use in confined locations. Two-speed focus knob (B20) switches between coarse and fine for even faster operation.

* 30 cm from instrument center

Stadia

Stadia lines on the reticle allow distance measurements. Simply multiply the staff length between the top and bottom stadia lines by 100.

Specifications

MODEL	B20	B30A	B40A	
Telescope				
Length	215 mm	214 mm	214 mm	
Magnification	32x	28x	24x	
Objective aperture	42 mm	36 mm	32 mm	
Resolving power	3"	3.5"	4"	
Field of view (at 100 m)	1°20' (2.3 m)		1°25' (2.5 m)	
Minimum focus	0.2 m from end of telescope 0.3 m from instrument center			
Image	Erect			
Reticle pattern	Wedge	Cross line		
Stadia constant	0			
Stadia ratio	100			
Focusing knob	2-speed	1-speed		
Sighting aid	Peep sight		Gun sight	
Lens hood	Retractable	-		
Accuracy (standard deviation for 1 km double run leveling)				
Without micrometer	0.7 mm	1.5 mm	2.0 mm	
With micrometer	0.5 mm	-		
Compensator				
Type	Pendulum compensator with magnetic damping system			
Setting accuracy	0.3"	0.5"		
Working range	±15'			
Circular level				
Sensitivity	10' / 2 mm			
Mirror	Pentaprism	Plane mirror		
Horizontal circle				
Diameter	103 mm			
Graduations	1° / 1gon			
General				
Horizontal motion drive	Clampless, endless, double-sided knobs			
Water resistance	IPX6 (IEC 60529:2001)			
Operating temperature	-20 to 50°C			
Size	Width	130 mm		
	Length	215 mm	214 mm	214 mm
	Height	140 mm	140 mm	135 mm
Weight	1.85 kg	1.5 kg	1.5 kg	

Quick collimation

Endless horizontal motion drives can be operated with either hand for fast and easy aiming of layout and alignment tasks.

Horizontal angle measurement

Horizontal angles can be read in 1° or 1gon units. Freely rotatable circle allows any angle reading from zero. Right angles can be quickly set for layout and alignment tasks. The readout window is conveniently located on the instrument base – directly below the eyepiece.

Fast, easy setup

A domed-head tripod makes setting up faster and easier even on inclined and uneven ground. The B-series levels also fit flat-head tripods. The circular level can be seen on a pentaprism or plane mirror located beside the telescope eyepiece.

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Specifications subject to change without notice
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