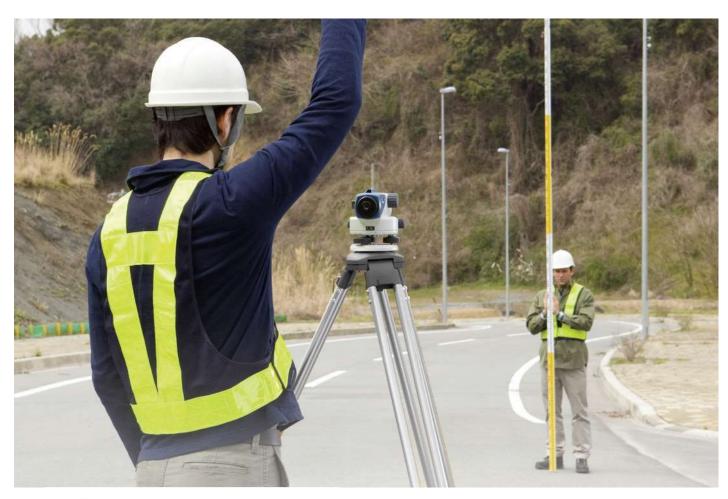


B20.B30A.B40A

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





Versatile model for surveying, engineering and construction



B40AEconomical model for engineering and construction



Magnification 32x

Minimum Focus

20cm



Accuracy **0.7mm**

Protection IPX6

Weight 1.85kg

Magnification 28x

Minimum Focus

20cm

Objective Aperture **36mm**

Protection Weight 1.5kg

Accuracy Magnification 24x

Objective Aperture

24x

32mm

mm 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.

		B2 ₀	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-sr	peed
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				
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				
Water Resistance		IPX6 (IEC 60529:2001)		
Operating Temperature		-20 to +50°C (-4 to +122°F)		
Size	Width	130mm (5.12in.)		(4.8in.)
	Length	215mm (8.46in.)		(8.4in.)
Height		140mm (5.51in.)		
Weight		1.85kg (4.1lbs.)	1.5kg (3.3lbs.)	

Standard Package/ Optional Accessories



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



Diagonal Eyepiece DE16 (B20)



Optical Micrometer OM5 (B20)



40x Eyepiece EL5 (B20)

SOKKIA QUALITY

Ultimate Environmental Performance and Durability

SOKKIA has been performing environmental tests against a set of expected job site conditions to certify the products for the long term use. The B Series has been tested by the special inspection equipment for complete waterproofness. The B Series also has the highest environmental performance and durability in SOKKIA'S Auto Level history, proven by tests against temperature, humidity, vibration and drop.



Water Proof Test (IPX6)

The B Series is proven to withstand powerful water jets from all directions without any submergence inside the unit



Cold and Heat Resistance Test

The B Series has passed operating temperature tests from – 20 °C to

+ 50°C degree.



Durability Test

The B Series has passed strict durability tests including rotation of leveling foot screw, Focusing knob and Horizontal fine motor screw.



TOPCON CORPORATION

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