



C300 · C320 · C410

Automatic Levels

Compact, Versatile and Sturdy Automatic Levels.

Fast, Easy-to-Use and Accurate Levels, Suited for Both Indoor and Outdoor Use.

Offering you the best of Sokkia's renowned leveling technology, the C300, C320 and C410 automatic levels are compact, solid, fast and user-friendly. Each level is easy to set up, simple to sight and resistant to vibration, shock and other environmental conditions. These automatic levels guarantee superior performance regardless of weather conditions. All three levels meet JIS grade 4 specifications for waterproofing, which complies with International Electrotechnical Commission Standard, Class IPX4.

Fast, easy set up and adjustment

Setting up the level is fast and easy, even on angled, uneven surfaces. Set the level onto the tripod head, center the circular bubble, and away you go. Adjusting the reticle can be done just as easily—simply adjust one screw. Adjustments to the circular level vial can be made by adjusting two screws.

Easy distance estimation

The stadia lines on the reticle can be used for simple distance measurement. Just multiply the difference on the rod between the top and bottom stadia lines by 100.

Precise Collimation

The C300 and C320 automatic levels incorporate an endless horizontal motion drive for fast and easy aiming. The telescope's optics are bright and clear. The instruments can be used easily in confined locations with the exceptionally short 1 foot (30 cm) minimum focus distance (from the center of the instrument).

Convenient horizontal angle measurement

All three automatic levels are equipped with an easy-to-use horizontal circle for laying off and measuring angles (direct reading to 1°). The display window is conveniently located on the instrument base directly below the eyepiece.

Reliable compensator with magnetic damping system

Approximately level the instrument and the four-suspension wires and built-in magnetic damping action will ensure stability and accuracy along the horizontal line of sight, even under rapidly changing atmospheric conditions, vibration and shock.



C300
Magnification 28x



C320
Magnification 24x



C410
Magnification 20x

Specifications

	C300	C320	C410
Telescope			
Length	215mm (8.5in.)		190mm (7.5in)
Objective aperture	36mm (1.4 in.)	32mm (1.3 in.)	30mm (1.2 in.)
Magnification	28x	24x	20x
Image	Erect		
Resolving power	3.5"	4.0"	4.5"
Field of view	1° 25' (2.5m)		1° 30' (2.6m at 100m)
Minimum focussing distance	0.3m (1.0ft)		0.9m (3.0ft)
Reticle	Cross hairs		
Stadia multiplication constant	100		
Stadia additive constant	0		100mm (4.0in)
Coarse sighting	Peep sight	Gun sight	
Compensator			
Damping system	Magnetic		
Working range	±15'		
Setting accuracy	0.5"		
Leveling Accuracy			
Standard deviation for 1km double-run leveling	2.0mm (0.08in.)		2.5mm (0.1in)
Horizontal Circle			
Diameter	103mm (4.1 in.)		98mm (3.9in)
Graduation/Estimation	1° (1gon)/0.1° (0.1gon)		1° (1gon)/0.2° (0.2gon)
General			
Sensitivity of circular level	10'/2mm		
Mirror for circular level	Plane mirror		N/A
Horizontal fine motion screws	Double-sided endless drive		Single endless drive
Water resistance	Conforms to IPX4 (IEC60529)		
Base	Concave and flat		
Base screw	ø5/8in.		
Size (W x D x H)	133mm x 215mm x 135mm (5.2 x 8.5 x 5.3 in.)		115 x 190 x 122mm (4.5 x 7.5 x 4.8in)
Weight Approx.	1.7kg (3.7 lbs)		1kg (2.2lbs)

Designs and specifications are subject to change without notice.

Product colors in this leaflet may vary slightly from those of the actual products owing to limitations of the printing process.

Standard Accessories:

Lens Cap, Vinyl Cover, Tool Kit, Operator's Manual and Carrying Case.

Optional Accessories:

DE22 Diagonal Eyepiece for the C300 and C320 only.

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