


**C20 · C22 · C24 · C26 · C28**
**Automatic Levels**

# Compact, Versatile and Sturdy Automatic Levels

Fast, Easy-to-Use and Accurate Levels, Suited for Everyday Jobsite Use

Offering you the best of Sokkia's renowned leveling technology, the C Series 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. The C Series automatic levels guarantee superior performance regardless of weather conditions. All C Series automatic 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

All C Series 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 C Series 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.



**C Series Specifications**

	C20	C22	C24	C26	C28
<b>Telescope</b>					
Length	7.5 in. (190 mm)	8.5 in. (215 mm)			
Objective Aperture	1.2 in. (30 mm)	1.3 in. (32 mm)		1.4 in. (36 mm)	
Magnification	20x	22x	24x	26x	28x
Field of View	1°30' (2.6 m at 100 m)	1°25' (2.5 m)			
Minimum Focusing Distance	3.0 ft. (0.9 m)	1.0 ft. (0.3 m)			
Reticle	Cross Hairs with Stadia				
Stadia - Multiplication Constant	100				
Coarse Sighting	Gun Sight			Peep Sight	
<b>Compensator, Auto Leveling Mechanism</b>					
Damping System, Working Range, Setting Accuracy	Magnetic, ± 15', 0.5"				
<b>Leveling Accuracy</b>					
Standard Deviation for 1 km Double-Run Leveling	0.1 in. (2.5 mm)	0.08 in. (2.0 mm)			
Typical Working Accuracy	1/8" @ 100 ft.	1/8" @ 200ft.			
Typical Working Range (Max)	150'	200'	250'	300'	350'
<b>Horizontal Circle</b>					
Diameter	3.9 in. (98 mm)	4.1 in. (103 mm)			
Graduation	1°				
Estimation	0.2°	0.1°			
<b>General</b>					
Sensitivity Of Circular Level	10'/2 mm				
Horizontal Fine Motion	Endless Drive				
Base	Fits Concave and Flat Tripods				
Base Screw	Ø 5/8 in.				
Size (W x D x H)	4.5 x 7.5 x 4.8 in. (115x190x122 mm)	5.2 x 8.5 x 5.3 in. (133x215x135 mm)			
Weight	2.2 lbs. (1 kg)	4.0 lbs. (1.8 kg)			

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 C22-C28 only.

Sokkia is a trademark of Sokkia Co., Ltd.  
Designs and specifications are subject to change without notice.



**SOKKIA CORPORATION**

16900 W. 118th Terrace

Olathe, KS 66061

www.sokkia.com

800.4.SOKKIA

©2006 Sokkia Corporation