

**SOKKIA**

**C300 · C310 · C320 · C330**

**AUTOMATIC LEVEL**

IEC60529  
**IPX4**

**28x/26x/24x/22x Telescope magnification**  
**2.0mm Standard deviation for 1km double-run levelling**



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

Offering you the best of Sokkia's renowned levelling technology, the C300, C310, C320 and C330 automatic levels are compact, solid, fast and very user-friendly. For a start, setting up the levels can be done fast and quickly and sighting is just as simple.

Moreover, the C3 series automatic levels guarantee superior performance regardless of weather conditions. Apart from being immune to vibration, shock and other environmental conditions, the C3 models are fully resistant to rain and accidental dousing. Even in sudden weather changes you won't be disturbed by fogging of the instrument – you're left free to concentrate on the job.

Thanks to this solid, water and shock proof design, the C3 levels are just as well suited for outdoor use as for indoor use.

All C3 models meet JIS grade 4 specification for waterproofing (this complies with International Electrotechnical Commission Standard, Class IPX4).



**C300**  
Magnification 28x



**C310**  
Magnification 26x



**C320**  
Magnification 24x



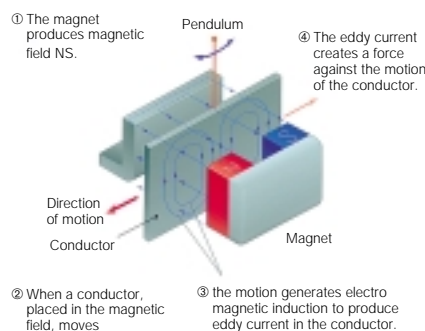
**C330**  
Magnification 22x

# C300 · C310 · C320 · C330 Automatic Levels



## Reliable Automatic Compensator

Even under rapidly changing atmospheric conditions, vibration and shock stability is ensured by using four suspension wires and magnetic damping action. The extended compensator range is above average at approximately 15 minutes.



## Quick and Easy Set-up

Using a dome-head tripod, setting up the C3 levels can be done fast and easily. Even on angled, uneven surfaces, all you have to do is set the level onto the tripod head and center the circular bubble. Flat-head tripods can also be used.



## Convenient Horizontal Angle Measurement

All C3 series levels are equipped with an easy-to-use horizontal circle for laying off and measuring angles (direct reading to 1° or 1gon). The display window is conveniently located on the instrument base directly below the eyepiece.

## Precise Collimation

All C3 models incorporate an endless horizontal motion drive with two knobs for fast and easy aiming, operable with either the left or the right hand. After turning the level in the right direction, it can be aimed at the target more precisely by using the fine motion feature.

The 22x (C330), 24x (C320), 26x (C310) or 28x (C300) telescope's optics are bright and clear. The instruments can be used easily in confined locations as well, thanks to the exceptionally short 30cm (1ft) minimum focus distance (from the center of the instrument).

## Stadia

The stadia lines on the reticle make calculating distance easy: simply multiply the distance on the rod between the top and bottom stadia by 100.



## Easy to adjust

With the provided tools, adjusting the reticle can be done easily by simply adjusting one screw. Adjustments to the circular level vial can be made by adjusting two screws.

## Specifications

| Items  | C300   | C310 | C320           | C330 |
|--|--|------|----------------|------|
| <b>Telescope</b>                               |  |      |                |      |
| Length   | 215mm (8.5 in.)                                |      |                |      |
| Objective aperture                             | 36mm (1.4 in.)                                 |      | 32mm (1.3 in.) |      |
| Magnification                                  | 28x  | 26x  | 24x            | 22x  |
| Image  | Erect  |      |                |      |
| Resolving power                                | 3.5"   |      | 4.0"           |      |
| Field of view                                  | 1° 25' (2.5m)                                  |      |                |      |
| Minimum focussing distance                     | 0.3m (1.0ft)                                   |      |                |      |
| Reticle  | Cross hairs                                    |      |                |      |
| Stadia multiplication constant                 | 100  |      |                |      |
| Stadia additive constant                       | 0  |      |                |      |
| Coarse sighting                                | Peep sight                                     |      | Gun sight      |      |
| <b>Compensator</b>                             |  |      |                |      |
| Damping system                                 | Magnetic                                       |      |                |      |
| Working range                                  | ±15'   |      |                |      |
| Setting accuracy                               | 0.5"   |      |                |      |
| <b>Leveling Accuracy</b>                       |  |      |                |      |
| Standard deviation for 1km double-run leveling | 2.0mm (0.08in.)                                |      |                |      |
| <b>Horizontal Circle</b>                       |  |      |                |      |
| Diameter                                       | 103mm (4.1 in.)                                |      |                |      |
| Graduation/Estimation                          | 1° (1gon)/0.1° (0.1gon)                        |      |                |      |
| <b>General</b>                                 |  |      |                |      |
| Sensitivity of circular level                  | 10'/2mm  |      |                |      |
| Mirror for circular level                      | Plane mirror                                   |      |                |      |
| Horizontal fine motion screws                  | Double-sided 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<br>(5.2 x 8.5 x 5.3 in.) |      |                |      |
| Weight   | Approx. 1.7kg (3.7 lbs)                        |      |                |      |

*Designs and specifications are subject to change without notice.*

## Optional Accessory

### DE22 Diagonal Eyepiece

A diagonal eyepiece facilitates work in tight spots with little space behind the instrument.



## Standard Configuration

Instrument, lens cap, plumb bob, vinyl cover, tool kit, operator's manual and carrying case.

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