

SOKKIA



SDL30

DIGITAL LEVEL WITH INTERNAL MEMORY

The new POWER LEVEL SDL30 with internal memory: combining user-friendly convenience with unprecedented cost performance



Sokkia proudly presents the new POWER LEVEL SDL30, a digital level with a large internal memory perfectly suited for quick and easy leveling. To measure height and distance, just aim the unique RAB-Code staff, adjust the focus and press a single key. The results are indicated digitally on the LCD display and can be stored immediately in the internal memory.

- Excellent accuracy: standard deviation of only 1mm using a fiberglass staff
- Distance measurement accuracy enhanced to 0.1% x D
- 64KB internal memory able to store up to 2000 points of data; up to 20 JOB's can be created
- Digital display reduces misreadings and eliminates operator interpretation errors
- The unique "RAB-Code (RANdom Bi-directional Code)" staff, made of rugged and lightweight fiberglass, improves measurement capabilities in a variety of conditions.

| SDL30 Specifications | |
|--|---|
| Height accuracy | |
| Standard deviation for 1km double-run leveling | Electronic measurement (Fiberglass RAB-Code staff): 1.0mm Visual measurement: 1.0mm |
| Distance accuracy | |
| Electronic measurement (Fiberglass RAB-Code staff) | Up to 10m (33ft): within ±10mm (±2.5in.), Over 10m (33ft): 0.1% x D (Standard deviation, D = measuring distance) |
| Measuring range | |
| Electronic measurement (Fiberglass RAB-Code staff) | 1.6 to 100m |
| Minimum display | |
| Height | Fine modes: 0.1/1mm (0.001/0.01ft), tracking mode: 1mm (0.01ft) |
| Distance | Fine modes: 1cm (0.1ft), tracking mode: 10cm (1ft) |
| Measuring time | |
| | Fine modes: less than 3 sec., tracking mode: less than 1 sec. |
| Telescope | |
| Magnification | 32x |
| Image | Erect |
| Objective aperture | 45mm |
| Field of view | 1°20' (2.3m at 100m) |
| Resolving power | 3" |
| Minimum focusing distance | 1.5m (5.0ft) |
| Stadia | Multiplication constant: 100, additive constant: 0 |
| Compensator | |
| Type | Pendulum compensator with magnetic damping system |
| Working range | More than ±15' |

| Data storage | |
|--|---|
| Internal memory | Size: 64KB, capacity: up to 2000 points, JOB control: up to 20 JOB (JOB name definable), point number: auto incremental/definable, attribute: selectable, interface port: RS-232C compatible, baud rate: 19200/9600/4800 bps, data output format CSV/SDR33 |
| General | |
| Sensitivity of circular level | 10'/2mm |
| Horizontal circle | Graduation: 1° (1gon), estimation: 0.1° (0.1gon) |
| Display | Graphic LCD, 128 x 32 dots, with display illumination |
| Water resistance | Complies with IPX4 (IEC60529) |
| Operating temperature | -20° C to +50° C (-4° F to 122° F) |
| Size | Instrument: W158 x D257 x H182mm (W6.2 x D10.1 x H7.2in.) Case: W258 x D395 x H224mm (W10.2 x D15.6 x H8.8in.) |
| Weight | Instrument: 2.4kg (5.3lb), including battery Battery: 90g (3.2oz), case: 2.6kg (5.7lb) |
| Power supply | |
| Battery BDC46 | Lithium-ion, 7.2V, 1300mAh |
| Working duration | More than 7 hours |
| Charging time | Less than 2 hours |
| Design and specifications are subject to change without notice | |

Standard Configuration

Instrument, internal battery (BDC46), quick charger (CDC61/62), dust cover, tool kit, operator's manual and carrying case SE52.

SOKKIA CO., LTD.

ISO9001 Certified (JQA-0557)

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