

GLM Lasermeßtechnik GmbH – Sokkia digital levels

Sokkia digital level SDL1X

The SDL1X digital level is one of the most precise levelling instruments. It differs from traditional levels by implementing the most advanced technology:

- Self leveling (up to +/- 12 minutes)
- Self-reading (reading by the observer is no longer necessary)
- Self-recording (manual recording is not necessary anymore)
- Autofocus (no need to focus on the target cross)
- Triggering the measurement by remote control

The SDL1X is a proven digital level, it is ideal for determining height differences. Typical applications are:

- The precise determination of the levelness of larger areas (e.g. foundations or hall floors)
- Height measurement of ground profiles
- Measurement of subsidence (e.g. in the case of large and protracted construction projects)
- Adjustment of rollers or similar machine parts

The IP45 dust and water protection ensures the reliability of the instrument even under difficult environmental conditions

Technical data

- Digital level SDL1X 0.2mm accuracy (ISO17123-2)
- Auto Focus for „high-end“ levelling
- Observation aid for rapid targeting
- Remote control
- Two-axis compensation
- SD card slot for data backup
- 100m Bluetooth® wireless communication
- Sokkia invar lath with $\pm 0.1 \text{ ppm}/^\circ\text{C}$ linear expansion coefficient

Accuracy

- By using the SOKKIA RAB-Code levelling staff BIS30A, you can achieve accuracy of 0.2mm with the digital level SDL1X
- Up to 0.3mm can be achieved with a standard invar