

SDL1 Digital Level

Data Specifications

TECHNICAL DATA 1km Double Run Levelling

| | | |
|----------|---------|---------|
| Height | Digital | 0.8mm |
| | Optical | 1.5mm |
| Distance | D≤10m | 10mm |
| | D>10m | Dx0.2‰m |

MEASURING

| | |
|---------------------------|------------------------|
| Digital Working Range | 3-110m |
| Optical Min. Focusing | 0.6m |
| Measuring Time | 1-3s ¹ |
| Min. Value (Height) | 0.001/0.0001m |
| Min. Value (Distance) | 0.01m |
| Continuous Operating Time | >20 hours ² |
| Continuous Stand-by Time | >45 hours ² |
| Lowest Illumination | 40lux |

TELESCOPE

| | |
|-----------------------|-------|
| Magnification | 32x |
| Objective Aperture | 38mm |
| Field of View | 1°20' |
| Multiplication Factor | 100 |
| Additive Constant | 0 |

COMPENSATOR

| | |
|----------------------------|----------|
| Type | Magnetic |
| Working Range | ±15' |
| Setting Accuracy | ±0.3" |
| Circular Level Sensitivity | 8'/2mm |

HORIZONTAL CIRCLE

| | |
|---------------------|------|
| Graduation | 360° |
| Graduation Interval | 1° |

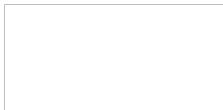
GENERAL

| | |
|---------------------|--|
| Environmental | IP65 environmental protection |
| | Temperature -10°C to 50°C Operating -40°C to 70°C Storage |
| Physical Properties | Resolution 128 x 64 pixels |
| | Size 245mm x 130mm x 182mm |
| | Weight 1.8kg |
| | Battery AA battery x 4 |

Note

¹Actual measuring time depends on the working environment
²Continuous operating time will change according to battery capacity

SDL1 Digital Level



The SDL1 is designed to perform optimally at any job sites where fast and accurate height determination is required. With a rugged, dustproof and waterproof rating of IP65, the SDL1 minimizes errors and reduces rework with digital readings, making leveling easy with greater precision using a single button operation.



Air Damping Compensator

The SDL1 is designed to optimize human performance for operational efficiency which is the perfect tool at any work site. Featuring a unique automatic air-dampened compensator to prevent magnetic interference, and an endless horizontal fine drive to ensure smooth, precise pointing and angular measurement, Satlab engineered this digital level to be rated IP65 to help make accurate measurements despite challenging conditions.



Applications

- Construction Surveying
- Layout and Survey
- Road Works

Measure with confidence

We understand how arduous this job task can be even for the most experienced measuring professionals. Through years of experience in the field, Satlab designed the SDL1 to provide comfort and ease while acquiring accurate and precise data during difficult projects.

Delivering quality equipment

Manufactured in an ISO, RoHS, and CE certified factory, each digital level is made with proper protocol and procedure that adheres to every operating aspect as well as stringent quality assurance checks that ensure the highest quality.

TECHNICAL SUPPORT
Satlab offers online resources and a professional support network available worldwide.

