

# 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% <sup>m</sup>

### MEASURING

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

<sup>1</sup> Actual measuring time depends on the working environment  
<sup>2</sup> Continuous 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.

