

DL07

DIGITAL LEVEL

Precision and Productivity Combined



SMART & STABLE DESIGN

The DL07 is engineered with an ergonomic handle and textured anti-slip grip for comfort and control, even during long fieldwork sessions. Its integrated and enlarged bubble mirror improves visibility from different angles, enhancing setup accuracy. The shock-resistant structure adds stability, making it reliable in rugged environments.

HIGH EFFICIENCY & PRECISION

With digital reading accuracy up to 0.7 mm and fast 3-second measurement cycles, the DL07 delivers precise and repeatable results. Electronic reading and automatic data logging eliminate manual errors, while one-click report generation simplifies your workflow. Compared to manual methods, measurement efficiency is increased by over 50%.

FLEXIBLE & USER-FRIENDLY

DL07 supports flexible data export via USB or MicroSD card, with both formats easily interchangeable. The system's intelligent barcode reading allows accurate measurement even when up to 30% of the leveling staff is visually obstructed. Combined with intuitive display and onboard programs, DL07 adapts well to real-world surveying needs.

GENERAL SPECIFICATIONS

Height Accuracy (standard deviation for 1km double run leveling)	- Digital reading: 0.7 mm - Optical reading: 1.5 mm
Distance Accuracy	- D≤10m: 10mm; - D>10m: D*0.001
Distance Range	1.5m - 105m
Minimum Display	- Height difference: 0.01mm/0.1mm - Distance: 0.1cm
Measuring Time	Within 3s in normal condition

TELESCOPE

Magnification	32x
Resolving Power	3"
Field of view	1°30'
Multiplication	100
Additive constant	0

COMPENSATOR

Compensator type	Magnetic-damped
Working range	±12'
Accuracy	0.3"/1'

DATA STORAGE

Storage	20000 points
Point Name	Increasing/Decreasing
Connection	USB
External Storage	MicroSD card

CIRCULAR VIAL HORIZONTAL CIRCLE

Accuracy	8'/2mm
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HORIZONTAL CIRCLE

Graduation Value	1°/1gon
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DISPLAY

Display	160*64dpi LCD with illumination
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BATTERY

Operating Time	16 hours
Automatic power off	5 min off

PHYSICAL & ENVIRONMENTAL

Dimension	230mm×150mm×210mm
Weight	2.5kg
Working temperature	-20°C ~ +50°C
Waterproof & Dustproof	IP54

All specifications are subject to change without notice.

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