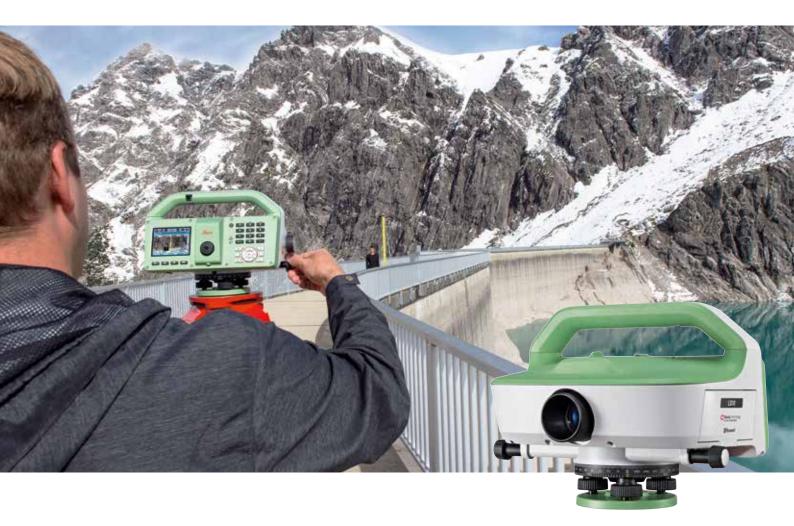
Leica LS Digital Levels

Data sheet





Precise hardware

Automated functions and industry-leading 0.2 mm accuracy to standard Invar staffs deliver unmatched reliability. Precision begins by using the electronic level bubble to set up instruments. After one button press, automatic tilt checks are made prior to each measurement. Integrated autofocus not only finds your target faster, it increases measurement accuracy by maximising contrast of the staff.



Infinitely bridging field to office

The comfortable field experience of Leica LS digital levels isn't finished in the field. After easily transferring your data to the office, Leica Infinity processes your results hassle-free back in the office. This intuitive software enables easy-tounderstand displays of complex levelling data. Combine tables with graphics or even cross check project data in one window for an overall view of level lines, line calculations or adjustments.

ACC»

Customer care only a click away

Through Active Customer Care (ACC), a global network of experienced professionals is ready to expertly guide you through any challenge. Eliminate delays with superior technical service, and finish jobs faster and avoid costly site revisits with excellent consultancy support. Control your costs with a tailored Customer Care Package (CCP), giving you peace of mind you are covered anywhere, anytime.





Leica LS10 & LS15 Digital Levels

	Leica LS10	Leica LS15
HEIGHT MEASUREMENT		
Accuracy ¹ using standard Invar staff	0.3 mm	0.2 mm, 0.3 mm
Accuracy ² using standard staff	1.0 mm	1.0 mm
DISTANCE MEASUREMENT		
Accuracy ³	15 mm at 30 m	15 mm at 30 m
MEASUREMENT RANGE		
Minimum range	1.8 m	1.8 m
Maximum range ⁴	110 m	110 m
Measurement time	Typically 2.5 sec	Typically 2.5 sec
AUTOFOCUS		
Working range	Х	1.8 m to infinity
Time to focus	×	Typically 4 sec
OVERVIEW CAMERA		
Field of view	X	6° x 4.8° (7.7° diagonal)
Frame rate	X	Up to 20 frames per second
Focus	X	3 m to infinity
DIGITAL COMPASS		
Accuracy ⁶	X	3 gon / 2.7°
COMPENSATOR		
Working range	± 9'	± 9'
Accuracy ⁶	0.3"	0.3"
Magnetic field sensitivity ⁵	≤ 1''	≤ 1"
INTERFACES		
RS232 / USB	X	V
Bluetooth®	✓	V
Mini USB	V	✓
DATA STORAGE		
Internal memory	30,000 measurements	30,000 measurements
USB stick	V	V
GENERAL		
Display	3.6 inches, QVGA, colour, touch	3.6' inches, QVGA, colour, touch
Telescope magnification	32 x	32 x
Minimum focusing distance	0.6 m	0.6 m
Electronic level bubble	×	Working range 0.07 gon / 0.063° Accuracy ⁶ 0.015 gon / 0.013°
Weight (including battery)	3.7 kg	3.9 kg

Exchangeable Lithium-Ion / 12 h

-20 °C to +50 °C

95%, non-condensing

IP55

- 1 Standard deviation, 1 km double run, ISO 17123-2. GPCL3 standard Invar staff or equivalent. 2 Standard deviation, 1 km double run, ISO 17123-2. GKNL4M standard staff or equivalent. 3 Standard deviation, 500 ppm for up to 50 m, 1000 ppm for distances beyond 50 m. 4 For standard staffs exceeding 3 m length, 60 m for Invar staffs. 5 Line of Sight difference in constant magnetic field between 0 and $\pm 400~\mu T$.

Internal battery / operating time

Working temperature range Dust / Water (IEC 60529)

ENVIRONMENTAL SPECIFICATIONS

6 - Standard deviation.

External power

Humidity

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- when it has to be right

Exchangeable Lithium-Ion / 10 - 12 h

✓ Standard

✓ Not Available

12.8 V DC (10.5-18 V)

95%, non-condensing

-20 °C to +50 °C

IP55