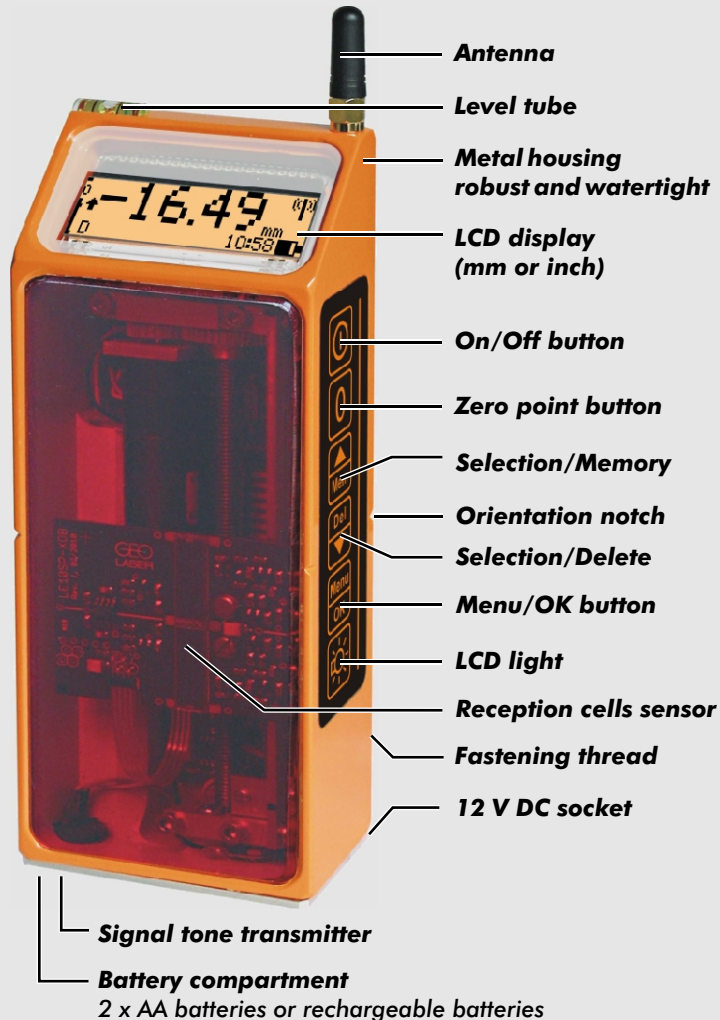


Precision

Laser Receiver LE-71/-72

Resolution: LE-71 = 1/100 mm (0,0004 inch) / LE-72 = 1/10 mm (0,004 inch)



- Measuring range 70 mm / 2.756 inch
- Measuring accuracy LE-71: ± 0,02 mm
- Measuring accuracy LE-72: ± 0,15 mm
- Measuring averaging
- Zero offset setting
- Bluetooth®-Terminal
- Date and Time
- Measured value memory: 2600 points
- Program selection
 - Single measurement with optional data storage
 - Single measurement with auto saving of the measured values
 - Continuous measurement
 - Continuous measurement with Bluetooth® wireless transmission
 - Interval measurement with automatic saving of the measured values
- Measurement display
Informative and easy to read
- Illuminated display
- Compact size
214 mm x 70 mm x 40 mm
620 g including batteries

Function

Laser receiver LE-71/-72 for rotating laser beam.

The LE-71/-72 is equipped with a sensor which scans the measuring range of 70 mm (2.756 inch) to find the laser beam/light plane automatically. The position detected is shown on an LCD display digitally in mm or inch. The resolution is 0.01/0.1 mm. By repeated measurements in conjunction with averaging a very high accuracy is achieved.

The zero point can be adjusted across the complete measuring range. It is therefore also possible to measure + or - and ± values.

An accidental zero adjustment is excluded.

The measured data can be stored in an internal data memory. The data can be transmitted wirelessly to the PC.

You can choose between single, continuous and interval measurement, with either manual or automatic data storage.

The end of a single measurement is indicated by a beep. The measured value remains visible for further 60 seconds.

During this time the next measurement can be started by a short press of the On/Off button. Otherwise the device switches off.

The program "Continuous Measurement" is used to measure objects in motion.

A particular highlight is the continuous measurement with adjustable time interval and data logging, including date and time. This allows easily, for example, long-term monitoring of buildings.

GEO precision in a new dimension

● Robust metal housing

Plastic-coated, filled with nitrogen, 100 % waterproof (except battery compartment).

● Interval measurement

A measurement is carried out in the preset time interval and the measured value is saved automatically. The time remaining until the next measurement is shown in seconds or minutes respectively.

● Brightly illuminated, easily legible LCD display

Self-explanatory, for on/off, device data, company data, reading, sign, measured in mm or inch, time, operational status, battery status and menu.

● Multilingual menu

Easy language selection.

● Easy-to-use keyboard

Clear layout, practical, big, user-friendly keys.

● NiMH rechargeable batteries

Battery life up to 50 hours with one battery charge.

Quick exchange of batteries, rechargeable in 4 hours.

Optional operation with 2 standard AA batteries or rechargeable batteries.

● Security

To avoid theft, the name of the owner can be stored in the device.

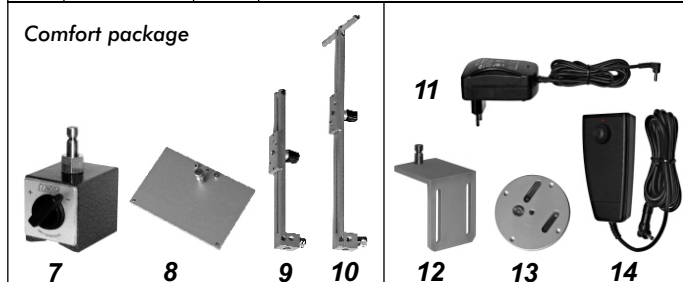
Standard delivery package

No.	Order no.	Type	Designation
1	0009.38	LE-71	Laser receiver with operating instructions
or	0009.39	LE-72	Laser receiver with operating instructions
2	0020.08		Rod clamp with ball stop
3	0037.19.001	LG-71	Battery charger
4	0037.19.002		4 x rechargeable batteries AA-NiMH
5	0037.19.003		12 V connection cable for LG-71
6	0077.39		Transport case
1-6	0009.38.1		LE-71 with standard delivery package
or	0009.39.1		LE-72 with standard delivery package



Optional accessories

No.	Order no.	Type	Designation
7	0081.00		Magnetic Foot for Laser Receivers in conjunction with fixing adapter.
8	0099.14		Mini Base Plate for Laser Receivers in conjunction with fixing adapter
9	0033.19		Fixing Adapter 260 mm, with ball stop
10	0033.20		Fixing Adapter 360 mm, with ball stop
7-10	0126.01.1		Comfort package for LE-71/-72
11	0037.18	NE-80	Power supply/Input: 110 - 230 V AC (50/60 Hz)
12	0099.00		Wall mounting bracket for laser receiver in conjunction with fixing adapter
13	0033.18		Rotatable Disc for LE-71/-72
14	0026.11		Remote control for LE-71/-72



Outstanding technical specifications

Reception: laser (633 - 815 nm homogenous beam profile)

Reception range: Ø from 5 - 35 mm, 0.5 - 2 mW, 300 - 800 rpm

Distance to illuminants and high-voltage power lines: > 1.5 m

Reception indicator: by arrow symbol

Measured value display: digital

Resolution LE-71/-72: 0.01 mm/0.1 mm

Measuring accuracy LE-71/-72: ± 0.02 mm/± 0.15

Measuring range: 70 mm

Zero offset: ± 70 mm

Measured value memory: 2600 points

Wireless interface: Bluetooth®

Bluetooth® range: to 100 m

The range is restricted by obstructions along the route of the radio signal.

Frequency range: 2.4 GHz ISM band

Transmission power: < 100 mW (EIRP)

Power supply external: 9 - 14 V DC / 0.1 A max.

Batteries internal: 2 x AA HR6, NiMH; 2500 mAh

Operating time without Bluetooth/light: in cont. measurement approx. 50 hours

Operating time with Bluetooth/light: in cont. measurement approx. 20 hours

Housing: watertight, except battery compartment

Dimensions/Weight including batteries: 214 x 70 x 40 mm/0.62 kg

Warranty: 24 months

Battery charger LG-71

Input voltage: 100 - 240 V AC/50 - 60 Hz

Output voltage: 12 V DC

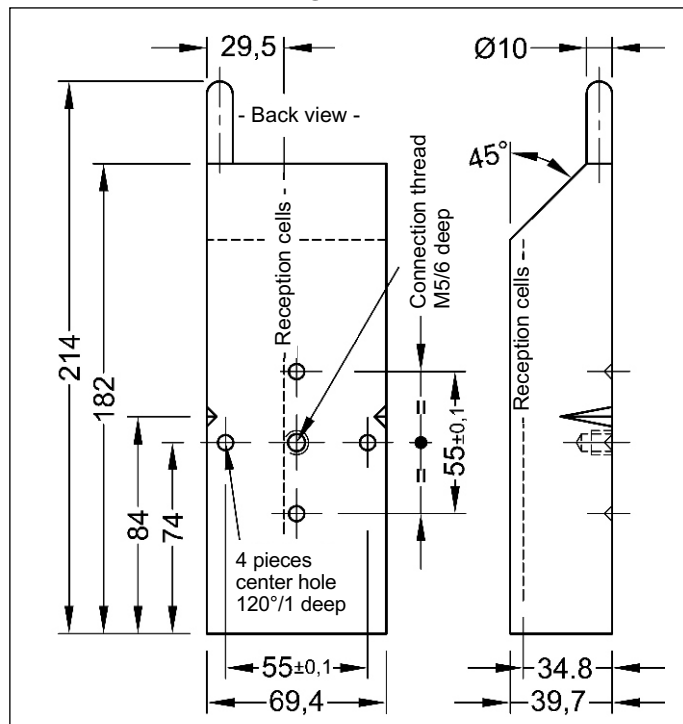
Charging current: 800 mA

Charge indicator: LED

Charging time: approx. 4 hours

Dimensions/Weight: 106 x 70 x 31 mm/0.14 kg

Dimensional drawing



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from:



12.2015



- Construction lasers
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- Automatic tripod
- Measuring systems and lasers for tunneling and pipe jacking

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