

# Laser-Receiver LE-81

Fast high-precision measurement = 

## Description

### Robust metal housing

Plastic-coated, filled with nitrogen, watertight.

### LCD display

Big, easy-to-read digits. Illuminated.

### Keyboard

Easy-to-use, clear, functional. Every press of a key is confirmed by a signal tone.

### Marking notches

on all four edges.

### M5 mounting thread

at the back of the housing.

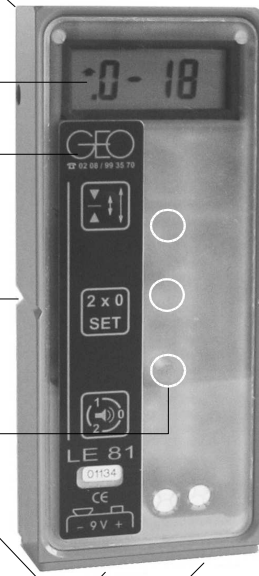
### LED indicators

Indication of reception, position and direction.

### Battery compartment cover

To open, simply turn in the direction of the arrow. Pay attention to the + and - poles when inserting the battery.

### Signal tone transmitter



## Outstanding features :

- |   |  |
|---|--|
| <input type="checkbox"/> Millimetre display     | <input type="checkbox"/> Zero point shifting |
| <input type="checkbox"/> Additional LED display | <input type="checkbox"/> Signal tone setting |
| <input type="checkbox"/> Setting of tolerances  | <input type="checkbox"/> Automatic cut-off   |
| <input type="checkbox"/> Mean value calculation | <input type="checkbox"/> Simple operation    |

## Contour line transfer

- Hold the LE-81 on the contour line with the marking notches, then adjust the height of the laser until the laser beam hits the solar cells. The height deviation in relation to the marking notch is then shown in the LCD display.
- Or set the laser roughly on the contour line. Then hold the LE-81 on the contour line with the marking notches. For transfer of the contour line, set the zero point on the current receiver position.
- The contour line can then be transferred to other points with the LE-81.

## Technical specifications:

Reception: ..... laser class 2, 610 - 900 nm, 300 - 1000 rpm  
 Reception area: ..... ± 40 mm  
 Reception angle: ..... approx. ± 45°  
 Reception range: ..... depending on type of laser, up to 150 m  
 Display of measured value: ..... digitally in mm  
 Resolution: ..... 1 mm  
 Precision in area of ± 40 mm around marking notch: ..... ± 1 digit  
 Setting of zero point: ..... any, is saved  
 Signal tone transmitter: ..... high, low, off  
 Housing: ..... watertight  
 Power supply: ..... 9 V block battery  
 Current consumption: ..... approx. 35 mA  
 Dimensions: ..... 173 x 70 x 30 mm  
 Weight: ..... 0.43 kg  
 Guarantee: ..... 12 months

## Simple operation



**On/Off and mean value filter button**

### Power on

Press button briefly. The last zero point setting is used.

### Power off

Automatically after three minutes without reception or press the button until **OFF** appears in the LCD display. The receiver is also switched off automatically when the battery is empty.

### Mean value calculation

The mean value calculation function is switched on and off by pressing the button briefly. **F1** (on) or **F0** (off) respectively appears in the display briefly. A dot is shown in the bottom left corner when the function is on.



**Zero point and light button**

### Zero point

The zero point is set on the current reception position or deleted by pressing briefly twice. A blinking **0** is shown at the left in the display when the zero point is set.

**Warning!** Zero then does not correspond to the marking notches.

### Light

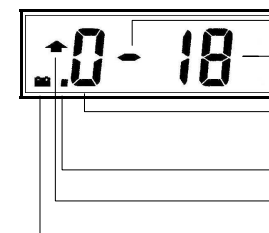
Brief pressing switches on the display light for about five seconds.



**Loudspeaker button**

Off, low, high (display **L0**, **L1**, **L2**).

## LCD display



- +/- sign
- mm display (empty: border area)
- Warning!** 0 does not correspond to the marking notches
- Mean value calculation on
- Shift direction
- Battery almost empty

## Error messages

- : No reception
- PO : Laser power too high; use lens diffuser
- Err : Zero point may only be set when reception is stable

From: