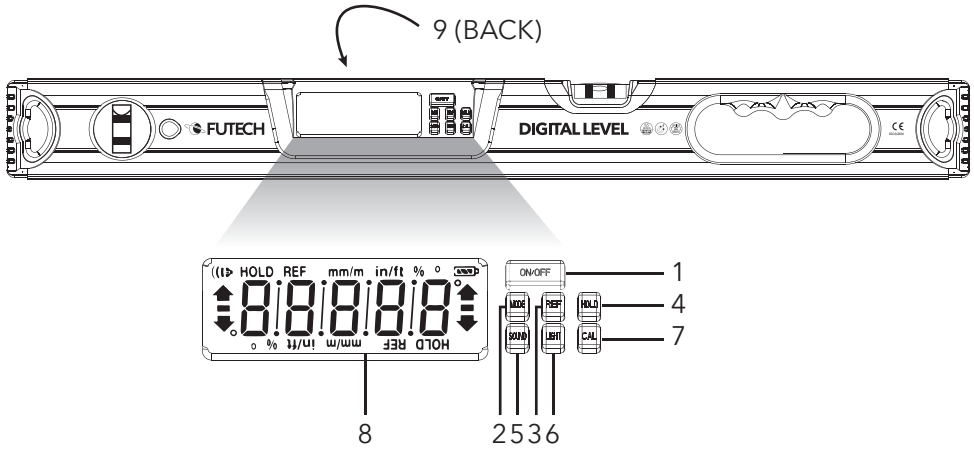
DESCRIPTION



1. On/Off
2. Mode
3. Reference
4. Hold
5. Sound
6. Light
7. Calibration
8. LCD display
9. Battery compartment

SAFETY

Please read the complete safety instructions in the booklet delivered with this device.

FIRST USE

Remove protective films where applied.
Open the [9] battery compartment on the back of the device and insert the batteries. Make sure the batteries are in the correct position (please note the polarity of the batteries).

Type of battery: 2 x AAA alkaline batteries

Note: when the product won't be used for a long time, extract the batteries.

USAGE

TURNING ON/OFF THE DEVICE

To power on the product, press the [1] On/Off button shortly. The screen turns on.
To switch off the product, shortly press the [1] ON/Off button. The device powers of.

CHANGING BETWEEN UNITS

To change between units, press the [3] Mode button shortly. The selected unit is shown in the upper right corner of the [5] LCD display. The different options are: ° - mm/m - % - in/ft

TURNING ON/OFF THE BACKLIGHT

Using the [6] Light button on the device, changes the setting of the light. Shortly press this button to lighten/darken the backlight.

AUTOMATIC SHUT OFF

Hold the [2] Mode button to select the preferred shut off time. The two options are '5' (5 minutes) or '2H' (2 hours). When selecting the 2 hours-option, the battery symbol (right upper corner in [8] LCD screen) will not disappear in order to remind the user of the 5 hours setting.
Default setting is 5 minutes.
When the battery is less than 5% charged, the system automatically shuts of the product after 5 minutes. Also, the battery will start to flash and holding the [2] Mode button will not initiate the setting options.

ZERO REFERENCE

Entering the [3] Reference button initiate the Reference mode. It allows the user to set every slope as reference (0°). This feature is useful when measuring the same slope over and over or finding the difference between two slopes.

Setting reference

To set the reference function, position the level of the product at the desired angle you wish to use as reference. When holding the apparatus under this angle, press the [3] Reference button shortly to program that angle as reference slope. To find, for example, the difference between that and a second slope, now hold the device on the second slope and the difference in angle is directly displayed.

Exiting Reference mode

Press the [3] Reference button shortly to deactivate the Reference function.

HOLD FUNCTION

Pressing the [4] Hold button shortly freezes the read-out until you press the button again. When in this mode, the word 'HOLD' is kept displayed in the upper left corner of the [8] LCD display, to remind the user of the current setting.

SOUND

Shortly press the [5] Sound button to enable the sound mode. Once activated, a sound symbol is continuously visible in the upper left corner of the [8] LCD display.
A slow beep is heard when the slope is between 10°-5° & 80°-85°.
A faster beep is heard when the slope is between 4,9°-1° & 85,1-89°.
A fast beep is heard when the slope is between 0,9°-0,1° & 89,1°-89,9°.
A continuous beep is heard when the device is under an angle of 0° or 90°.

To exit the sound mode, press the [5] Sound button shortly. The symbol disappears from the [8] LCD display.
Note: sound mode can be useful in situations when looking at the [8] LCD display is not possible during working.
The inclination arrows provide the desired turning direction. When level, the display shows two hyphens at both sides of the [8] LCD Display.

CALIBRATING DEVICE

Note: calibration is recommended before each use.

Note: an 'ERROR' message is displayed when the product tilts too much for- or backwards (to display an accurate reading).

Three different types of calibration are available.

A. Quick level/plumb calibration

This method is used to (level/plumb) calibrate the device quickly. Start by turning on the digital level. Hold the device against a (flat surface/wall) making sure the level bubble is centered. When holding the device in this position, hold the [7] calibration button for 3 seconds. When done properly, the [8] LCD Display will flash 'CAL' on the screen. The calibration process started. When moving/tipping the device during this process, 'ERRO' appears on the [8] LCD Display. To exit the calibration mode after an error, shortly press the [7] calibration button. You can restart the procedure. The calibration process is done when the [8] LCD display displays 'RDY'. The device automatically leaves the calibration mode.

B. Calibration

When calibrating the device, put the device on a flat surface (i.e. surface of table). This surface will be the reference surface. When holding the device under this angle, hold the [7] calibration button and the [2] Mode button for 3 seconds. The calibration process initiated and the [8] LCD Display shows 'CAL1'. Push the [7] Calibration button shortly and the [8] LCD Display starts flashing 'CAL1'. The [8] LCD Display shows 'CAL2'. Now rotate the device 180° in such a way that the device is in the same position, but the screen faces now away from the user. Push the [7] Calibration button shortly, 'CAL2' will flash on the [8] LCD Display. When ready, the device will automatically exit the calibration mode.

MAINTENANCE

Repairs or services are not covered in this manual and should only be carried out by qualified trained technicians. Keep the device as dry and clean as possible. Periodically, wipe the body with a dry cloth. Do not use abrasives or solvents on this instrument. For service, use only manufacturer's specified parts.

SPECIFICATIONS

Display Range	4 x 90°
Resolution	0.1°, 0.1%, 1/8", .125", 1 mm/m
Units	in/ft – mm/m - ° - %
Accuracy	± 0.1° for 0° and 90°
	± 0.2° for other angles
Power Supply	2 "AAA" alkaline batteries
Battery Life	±100 hours (continuous use)
Working Temperature	-10°C < T < 50°C
Dimensions	27 x 600 x 63 mm (60cm)
	27 x 1200 x 63 mm (120cm)
Weight 60cm/120cm	0,67 kg/1,29 kg
Water- & dust proofness	IP54