

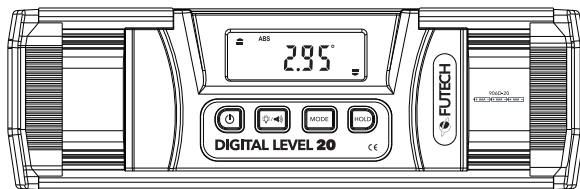
# USER MANUAL

906D-20 DIGITAL LEVEL 20CM

EN ENGLISH

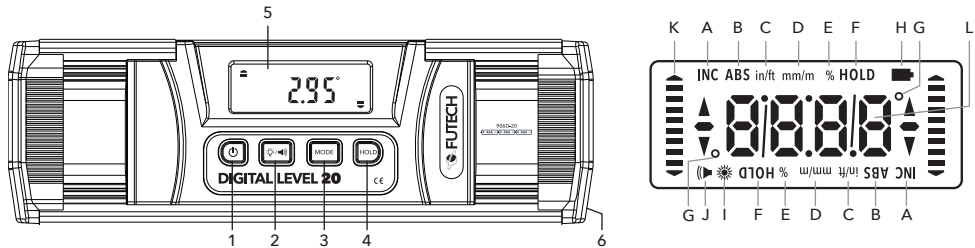
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## OVERVIEW



### ■ DEVICE

- 01 Power button ON/OFF
- 02 LIGHT/SOUND button
- 03 MODE button
- 04 HOLD button
- 05 LCD display
- 06 Battery cover

### ■ SCREEN

- A Incremental measurement (INC)
- B Absolute measurement (ABS)
- C in/ft measuring unit
- D mm/m measuring unit
- E % measuring unit
- F Retaining measurement
- G Degrees
- H Battery indicator
- I Backlight indicator
- J Sound indicator
- K Arrow symbols
- L Slope value



## SAFETY

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

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

## BATTERY

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Open the battery cover [06] and insert the 3x AAA batteries (DC 4.5V) . Make sure the batteries are in the correct position.

## FIRST TIME USAGE

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Remove all protection foils.

### ■ POWERING ON/OFF

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- Hold the power button ON/OFF [01] for 2 seconds to switch on the device.

The LCD Display [05] lights up, and the device turns on in absolute measurement (ABS) mode [B].

- Hold down the power button ON/OFF [01] to switch off the instrument.

## USE

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### ■ UNITS

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This unit can display slope values in 3 different units: degrees (°), millimeter per meter (mm/m) and percentage (%).

- To change between units, press the Mode button [03].

The selected unit is shown in the upper right corner of the LCD display [05].

### ■ MEASUREMENT MODE

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This device can measure slopes in two different ways: Measure the slope relative to a levelled horizontal line (ABS) or the device measures the slope relative to a zero-slope selected by the user (INC).

- Hold the mode button [03] until a sound confirmation is heard. The device switched modes. The current mode (ABS or INC) is displayed in the upper left corner of the LCD screen [05].

(ABS)

#### — ABSOLUTE LEVEL MEASUREMENT MODE

The device measures the slope relative to a levered horizontal line. Using this method, your work will be dependent on the accuracy of the calibrated device.

The value shown is the difference between the current level and the calibrated horizontal value.

#### (INC) — INCREMENTAL LEVEL MODE

The device measures the slope relative to a zero-slope selected by the user.

The zero-slope is selected as follows:

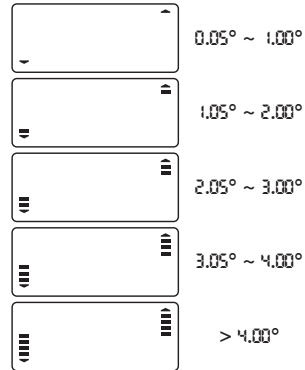
- In ABS mode, place the level in the slope you want to use as a zero-level.
- Under this angle, hold the mode button [03] to change to INC-mode.

This slope is now the reference slope. Turning the device will result in a value on the LCD screen [05] which tells the value between the set reference slope and the current slope.

#### ■ LEVELLING THE DEVICE

The device is completely levelled when the display [05] reads "0.00". Any deviation from a perfect level will be shown on the display both using a numerical value [L] and the arrow symbols [K].

The arrow symbols [K] indicate in which direction your device should be tilted to bring it to the zero-level.



#### NOTE

Tilting your device too far backwards will cause an error to pop up on the display [05].

#### ■ FREEZING CURRENT READING

It is possible to 'freeze' the current reading and keep it on the display.

- Press the hold button [04] to keep the current reading on the display.

#### NOTE

The hold button is a useful functionality when working and not being able to read the display at the same time.



## ■ SOUND NOTIFICATION

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Sound notifications can be used for work in case you are not able to look at the LCD display.

- To activate the sound function, hold the Light/Sound button [02] for 2 seconds. The sound symbol [J] appears on the LCD display [05]. A beep can be heard too.
- Hold the Light/Sound button [02] for 2 seconds again to deactivate the sound notifications. The sound symbol [J] disappears on the LCD display [05]. The beeping sound stops.

## — DIFFERENT NOTIFICATIONS

A continuous beep means that the angle between the device and level is 0° or 90°.

A fast-beeping noise (high frequency) means that the slope of the device is between 0,00° and +1,40° (relative to 0° & 90°).

A slow-beeping noise (low frequency) means that the slope of the device is between 0,00° and -1,40°C. (relative to 0° & 90°).

No beep means that the slope of the device exceeds the limits of -1,40° and +1,40° from level (relative to 0° & 90°).

## ■ CALIBRATION MODE

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- Press both power button ON/OFF [01] and

HOLD button [04] simultaneously.

- You hear a beep sound as confirmation and the LCD display [05] shows "-1-". This means the device entered the calibration mode.
- Press power button ON/OFF [01]: "-1-" flashes for approximately 3 seconds. After this, it will be replaced by "-2-".
- Turn the device 180° in a clockwise direction (not upside down).
- Press power button ON/OFF [01]: "-2-" flashes for approximately 3 seconds.

After this, the device automatically exits the calibration mode and is ready to be used. Calibration has succeeded.

## ■ ERROR MESSAGE

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An Error message is displayed when the product tips too much over. The tipping over only ends in an error if it happens around its longest axis.

## ■ MAINTENANCE

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Repairs or services are not covered in this manual and should only be carried out by qualified trained technicians. 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.

## TECHNICAL SPECIFICATIONS

	<b>906D-20 DIGITAL LEVEL 20CM</b>
Precision	0°: 0,5° / rest: 0,1°
Protection	IP67
Magnetic	Yes
Resolution	1 mm/m - 0,05°
Optional units	° - mm/m - %
Measurement range	4 x 90°
Batteries	3x AAA
Battery life	>100 hours (no backlight/sound)
Dimensions (l x w x h)	28,4 x 201,6 x 64 mm
Weight	0.24 kg
Shock absorbing ends	Yes
Working temperature	-20 °C < T < 70 °C
EMC (electromagnetic compatibility)	Class 2





## DECLARATION OF CONFORMITY

Futech (Belgium) declares under its own responsibility that this device:

- 906D-20 Digital level 20cm

is in conformity with the standards

-EN 61326-1:2013

-EN 61326-2-2:2013

following the provisions of Directive(s)

2014/30/EU

Lier, Belgium,  
March 30, 2023  
Patrick Waüters

Potential misprints are reserved. Images used are not strict. All features, functionality and other product specifications are subject to change without notice or obligation.



# USER MANUAL

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