

Operating manual
Digital Protractor
Model: ProDigit Mini



ENG**Table of contents**

1. Appearance	3
2. LCD screen icons	4
3. Button function	4
4. Calibration	5
5. Technical data	7
6. Warranty/Exceptions from responsibility	8

Appendix 1. Certificate of acceptance and sale

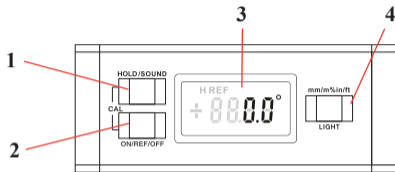
Appendix 2. Warranty card

APPEARANCE

- 1) HOLD/SOUND - Hold function/Sound function
- 2) ON/REF/OFF - On/Relative angle measurement mode/Off
- 3) LCD-display
- 4) mm/m%in/ft/LIGHT - Units/Backlight

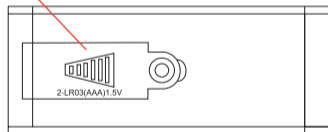
Important note:

1. The digital level has been pre-calibrated at the factory.
2. The product should only be recalibrated if it has been dropped (see *Calibration*).
3. "ERROR" shows when either the forward tilt angle or backward tilt angle is not less 30°.



(Front)

Battery cover








(Back)

V-type magnet



(Bottom)

LCD SCREEN ICONS

-  Replace batteries when the Battery Power Icon is flashing. Only flashing when voltage is below 2.2 V.
-  Sound/Beeper Icon - this icon appears on the screen when the beeper function is activated.
-  Indicates that the level is working in relative angle mode.
This icon appears on the screen when the HOLD function is activated.
-  -1- Indicates that the digital level is calibrating for one direction.
-  -2- Indicates that the digital level is calibrating for another direction.



BUTTON FUNCTION

1) ON/REF/OFF

Press once to turn the LCD display screen on. Press the button again to set current angle to zero, REF icon will be displayed to indicate relative angle measurement mode. Long press to turn off the LCD.

2) HOLD/SOUND

Press once to enter the HOLD function and for the “H” icon be displayed, press once again to release hold function.

Long press the button for 3 seconds to activate sound function,  shows. Beeper will sound at level (0°) and plumb (90°). Long press again to turn off the sound,  disappears.

The sound function utilizes a series of beeps that increase in tempo as it approaches 0 and 90 degrees and eventually reaching a constant tone at exactly 0 and 90 degrees.

3) mm/m%in/ft/LIGHT

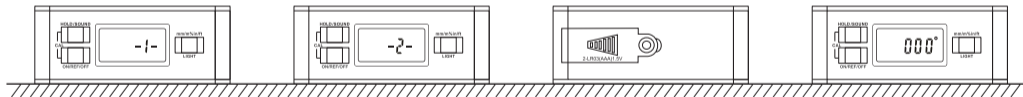
Converts angles to different units. Press once to change the display units from degrees (°) to mm/m, to percent slope (%), to pitch

(in/ft). Long press for 3 seconds to turn on back light. Long press again for 3 seconds to turn off the back light. Touch any key to turn on the light around 30 s.

Reverse Display: When turned upside down, the product shows up-down reversal for easy read.

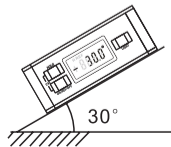
CALIBRATION

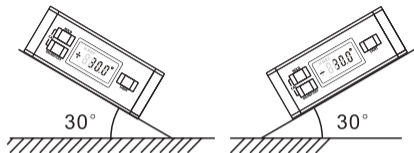
- 1) Place the digital level on a flat and smooth surface, press HOLD/SOUND button and ON/REF/OFF button at the same time, the calibration mode is activated and “-1-” will be displayed.
- 2) Press ON/REF/OFF button again, “-1-” will flash briefly. Do not move until -2- displays.
- 3) Rotate it 180° in the same location and press ON/REF/OFF button, “-2-” will flash briefly. Do not move until the unit has completed the calibration and reset the display to the current level.



Absolute Measurement

Short press ON/REF/OFF button into Absolute measurement mode, LCD displays the angle of absolute level.

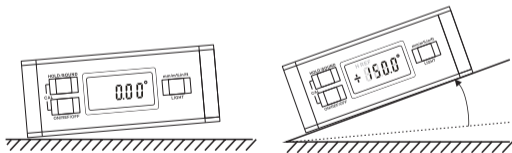




Symbol +/- shows how to adjust the surface to be leveled.

Relative Measurement

Put it on the first measured surface, press ON/REF/OFF button, LCD displays 0.00°. Put it on the second measured surface, LCD shows the intersection angle between two measured surfaces. Press ON/REF/OFF button again to turn into Absolute measurement mode.



Slope

The product measures the slope of a surface in percent. This is useful when laying pipe for proper drainage. When the conversion button is in the slope mode, it will display (%). If the sound mode has been activated, the level will beep at 0.0%.

TECHNICAL DATA

Measuring range	°: 4*90°; mm/m: 1000 mm/m; %: 100%; in/ft: 12 in/ft
Resolution	0.05°
Accuracy	±0.15°
Power	DC3V (AAAx2)
Battery life	Around 100 h continuous without backlight
Working temperature	-10°C to 50°C
Working humidity	≤ 85%
Auto shutdown time	5 min
Auto shutdown backlight time	30 s
Waterproof	IP65

Warranty

This product is warranted by the manufacturer to the original purchaser to be free from defects in material and workmanship under normal use for a period of two (2) years from the date of purchase.

During the warranty period, and upon proof of purchase, the product will be repaired or replaced (with the same or similar model at manufacturer's option), without charge for either parts or labour.

In case of a defect please contact the dealer where you originally purchased this product. The warranty will not apply to this product if it has been misused, abused or altered. Without limiting the foregoing, leakage of the battery, bending or dropping the unit are presumed to be defects resulting from misuse or abuse.

Exceptions from responsibility

The user of this product is expected to follow the instructions given in the operator's manual.

Although all instruments leave our warehouse in perfect condition and adjustment the user is expected to carry out periodic checks of the product's accuracy and general performance.

The manufacturer, or its representatives, assumes no responsibility for results of a faulty or intentional usage or misuse including any direct, indirect, consequential damage, and loss of profits.

The manufacturer, or its representatives, assumes no responsibility for consequential damage, and loss of profits by any disaster (earthquake, storm, flood ...), fire, accident, or an act of a third party and/or a usage in other than usual conditions.

The manufacturer, or its representatives, assumes no responsibility for any damage, and loss of profits due to a change of data, loss of data and interruption of business etc., caused by using the product or an unusable product.

The manufacturer, or its representatives, assumes no responsibility for any damage, and loss of profits caused by usage other than explained in the user's manual.

The manufacturer, or its representatives, assumes no responsibility for damage caused by wrong movement or action due to connecting with other products.

WARRANTY DOESN'T EXTEND TO FOLLOWING CASES:

1. If the standard or serial product number will be changed, erased, removed or will be unreadable.
2. Periodic maintenance, repair or changing parts as a result of their normal runout.
3. All adaptations and modifications with the purpose of improvement and expansion of normal sphere of product application, mentioned in the service instruction, without tentative written agreement of the expert provider.
4. Service by anyone other than an authorized service center.
5. Damage to products or parts caused by misuse, including, without limitation, misapplication or negligence of the terms of service instruction.
6. Power supply units, chargers, accessories, wearing parts.
7. Products, damaged from mishandling, faulty adjustment, maintenance with low-quality and non-standard materials, presence of any liquids and foreign objects inside the product.
8. Acts of God and/or actions of third persons.
9. In case of unwarranted repair till the end of warranty period because of damages during the operation of the product, its transportation and storing, warranty doesn't resume.

WARRANTY CARD

Name and model of the product _____

Serial number _____ date of sale _____

Name of commercial organization _____ stamp of commercial organization

Warranty period for the instrument exploitation is 24 months after the date of original retail purchase.

During this warranty period the owner of the product has the right for free repair of his instrument in case of manufacturing defects.

Warranty is valid only with original warranty card, fully and clear filled (stamp or mark of the seller is obligatory).

Technical examination of instruments for fault identification which is under the warranty, is made only in the authorized service center.

In no event shall manufacturer be liable before the client for direct or consequential damages, loss of profit or any other damage which occur in the result of the instrument outage.

The product is received in the state of operability, without any visible damages, in full completeness. It is tested in my presence. I have no complaints to the product quality. I am familiar with the conditions of warranty service and I agree.

purchaser signature _____

Before operating you should read service instruction!

If you have any questions about the warranty service and technical support contact seller of this product

Certificate of acceptance and sale

_____ **No** _____

name and model of the instrument

Corresponds to _____

designation of standard and technical requirements

Data of issue _____

Stamp of quality control department

Price

Sold _____ Date of sale _____

name of commercial establishment