
# ADA INSTRUMENTS A4 Prodigit Marker User Manual



**INSTRUMENTS**
**OPERATING MANUAL**
**PRODIGIT MARKER**
**Inclinometer**

Contents



## APPLICATION:

Control and measurement of slope of any surface. It is used in wood processing industry (especially in furniture manufacturing industry) for wood angle accurate cutting; auto repair industry for tiring assembling angle accurate

controlling; in machining industry for machine tool working angle accurate positioning; in woodwork; when setting guides for gypsum board partitions.

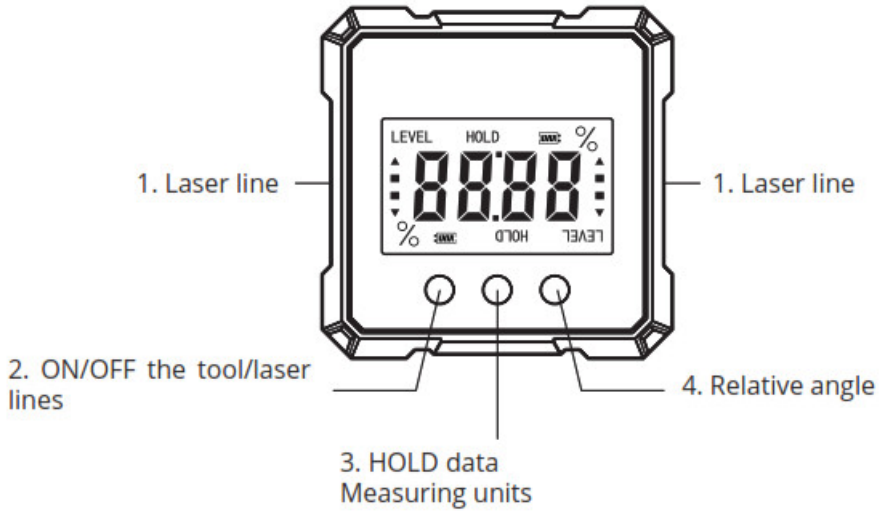
## PRODUCT FEATURES:

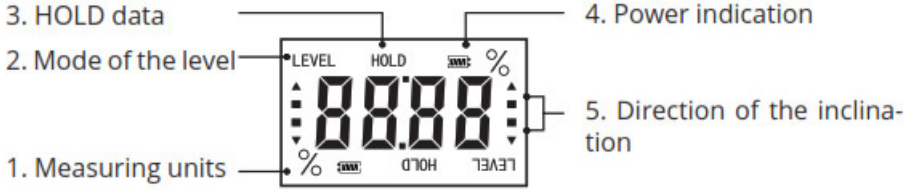
— Relative/absolute measurement interc hange at any position
— Built-in magnets on measuring surface
— Slope measurement in % and °
— Power-off automatically in 3 minutes
— Portable size, convenient to co-work with other measuring tools
— HOLD data
— 2 built-in laser aimers

## TECHNICAL PARAMETERS

Measuring range……. 4x90°
Resolution…….. 0.05°
Accuracy…….. ±0.2°
Battery…….. Li-On battery, 3,7V
Working temperature…….. -10°C ~50°
Dimension……. 561x61x32 mm
Laser aimers …….. 635нм
Laser class …….. 2, <1mVt

## FUNCTIONS




## LI-ONBATTERY

Inclinometer operates from built-in Li-On battery. Battery level is shown on the display. Blinking indicator (4) without inner bars shows low battery level.
For charging, connect the charger via USB type-C wire to the socket on the back cover of the inclinometer. If the

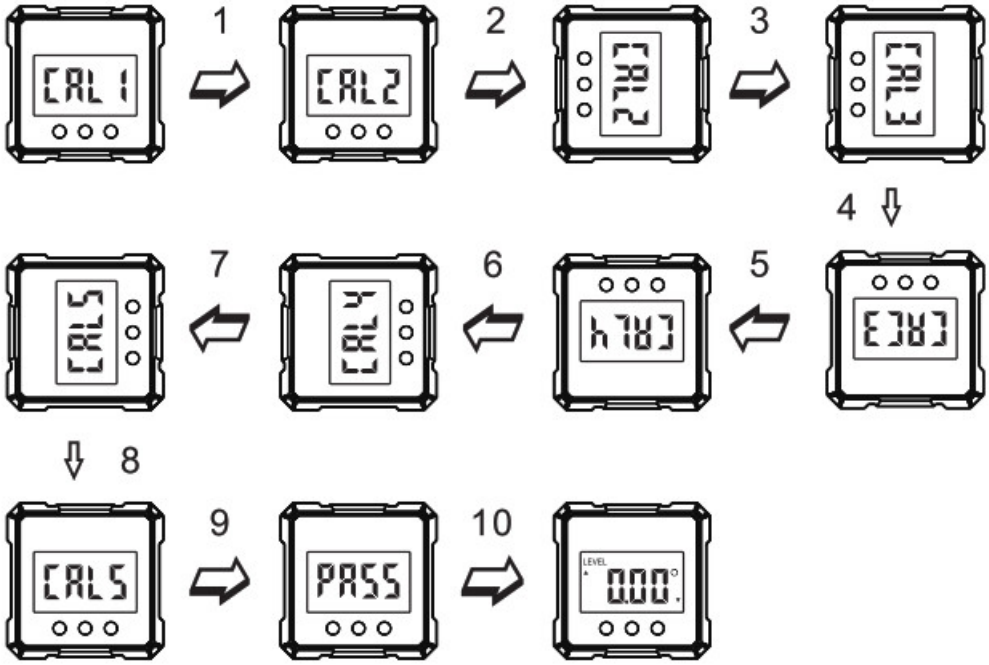
battery is fully charged, the indicator (4) doesn't blink, all bars are filled.
**NOTE!** Do not use charger with output voltage more than 5V.
Higher voltage will damage the device.

## OPERATION

1. Press «ON/OFF» button to switch ON the tool. The LCD displays absolute hoprizontal angle. «Level» is displayed on the screen. Press «ON/OFF» button againto switch off the tool.
2. If you lift the left side of the tool you will see an arrow "up" on the left side of the display. On the right side of the display you will see an arrow "down". It means the left side is higher and right side is lower.
3. Measurement of relative angles. Place the tool on the surface from which it is necessary to measure the relative angle, press "ZERO" button. 0 is desplayed. «Level» is not desplayed. Then place the tool on another surface. Value of the relative angle is desplayed.
4. Press shortly «Hold/Tilt%» button to fix the value on the display. To continue measurements repeat short pressing of «Hold/Tilt%» button.
5. Press «Hold/Tilt%» button for 2 sec to measure slope in %. To make angle measurement in degrees, press and hold «Hold/Tilt%» button for 2 sec.
6. Use the laser lines to mark the level at a distance from inclinometer. Lines can be used only for marking on vertical surfaces (such as walls) where the level is attached to. Press ON/OFF button to swtich ON/OFF the tool and select laser lines: right line, left line, both lines. Attach the tool to the vertical surface and rotate it to the desired angle focusing on the data on the display. Mark the inclination along laser lines on the vertical surface.
7. Magnets from all sides allow to attach the tool to the metal object.
8. "Err" is displayed on the screen, when the deviation is more than 45 degrees from the vertical position. Return the instrument to the upright position.

## CALIBRATION

1. Press and hold ZERO button to turn on the calibration mode. Then press and hold ON/OFF button. Calibration mode is activated and "CAL 1" is displayed. Place the tool on a flat and smooth surface as shown in the picture.
2. Press ZERO button once in 10 seconds. "CAL 2" wil be displayed. Rotate the tool by 90 degrees in clockwise direction. Place it on the right edge towards display.
3. Press ZERO button once in 10 seconds. "CAL 3" wil be displayed. Rotate the tool by 90 degrees in clockwise direction. Place it on the upper edge towards display.
4. Press ZERO button once in 10 seconds. "CAL 4" wil be displayed. Rotate the tool by 90 degrees in clockwise direction. Place it on the left edge towards display.
5. Press ZERO button once in 10 seconds. "CAL 5" wil be displayed. Rotate the tool by 90 degrees in clockwise direction. Place it on the lower edge towards display.
6. Press ZERO button once in 10 seconds. "PASS" wil be displayed. After a while "0.00 degrees" will be also displayed. The calibration is over.




| | |
|---|---|
| 1. press ZERO in 10 min. | 6. rotate the device |
| 2. rotate the device | 7. press ZERO in 10 min. |
| 3. press ZERO in 10 min. | 8. rotate the device |
| 4. rotate the device | 9. press ZERO in 10 min. |
| 5. press ZERO in 10 min. | 10. calibration is over |

## SAFETY OPERATION INSTRUCTIONS

IT IS FORBIDDEN:

- Use a charger with an output voltage of more than 5 V to charge the battery of the device.
- Use of the device not according to the instructions and use that goes beyond the permitted operations;
- Use of the device in an explosive environment (gas station, gas equipment, chemical production, etc.);
- Disabling the device and removing warning and indicative labels from the device;
- Opening the device with tools (screwdrivers, etc.), changing the design of the device or modifying it.

## WARRANTY

This product is warranted by the manufacturer to the original purchaser to befree from defects in material and workmanship under normal use for a period oftwo (2) years from the date of purchase.
During the warranty period, and upon proof of purchase, the product will berepaired or replaced (with the same or similar model at manufactures option),without charge for either parts of labour. In case of a defect please contact thedealer 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 droppingthe unit are presumed to be defects resulting from misuse or abuse.

## PRODUCT LIFE

The service life of the product is 3 years. Dispose of the device and its battery separately from household waste.

## EXCEPTIONS FROM RESPONSIBILITY

The user of this product is expected to follow the instructions given in operators' manual. Although all instruments left 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 of 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 thsn explained in the users' 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 wil 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 nrgligence 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, it's 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 explotation 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 thr 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 qarranty 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

Changzhou Jiangsu China
Made In China
adainstruments.com

## Documents / Resources

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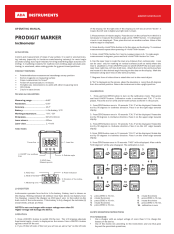
|  | ADA INSTRUMENTS A4 Prodigit Marker [pdf] User Manual<br>A4 Prodigit Marker, A4, Prodigit Marker, Marker |

## References

- ADA Instruments