



## SPECIFICATIONS

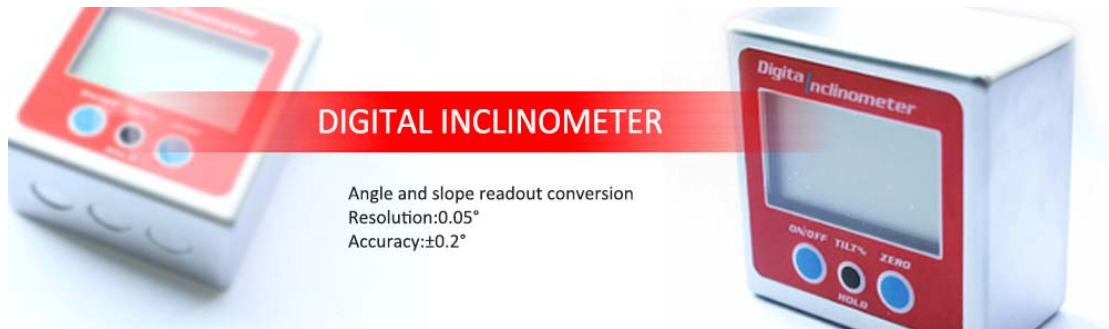
Item No.: DMI108

Description: Digital Display Inclinometer

### **Production implementation standard reference**

- Enterprise quality system standards: ISO9001: 2008 standard (certification number: 128101)
- Tilt sensor production standards: GB / T 191 SJ 20873-2003 inclinometer general specification of Level
- The Academy of metrology and quality inspection Calibrated in accordance to: JJF1119-2004 Electronic Level calibration Specification
- Software development reference standard: GJB 2786A-2009 military software development General requirements
- Product environmental testing standards: GJB150
- Electromagnetic anti-interference test standards: GB / T 17626
- Version:Ver.09
- Date:2014.11.21

# DMI108-Digital Display Inclinometer



## Description

DMI108 is a low cost level box of MEMS principle. The measuring range is 90 degree X 4=360 degree, and accuracy is 0.15 degree. The low consumption design ensure the long time and stable working powered by one 9v battery. The absolute zero is calibrated for every single item in factory and is stored in the internal storage, so even without battery, the zero record would not miss. The built-in permanent magnet facilitate the measurement.

## Main feature

- accuracy:  $\pm 0.15^\circ$
- working temperature- $0^\circ \sim +40^\circ$
- measuring range:  $90^\circ \times 4$
- switchover between relative and absolute angle
- power supply: 9Vbattery
- IP54

## Application:

- Building operations
- Machinery installation
- Vehicle maintenance
- Pipe installation
- Road grade
- Industry platform

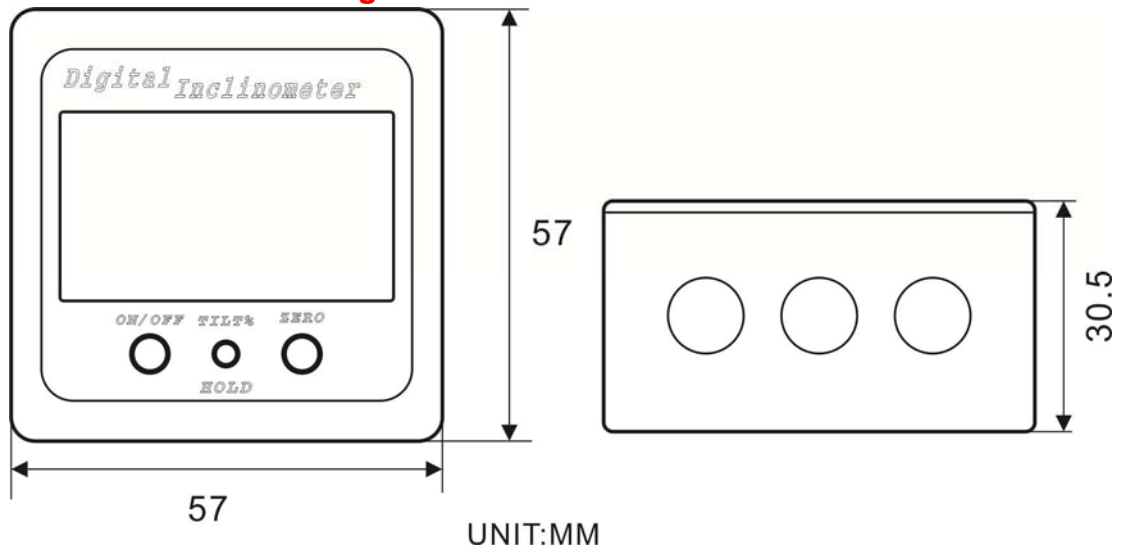
## Technical Data

Parameters	DMI108	Unit
Measuring accuracy	$\pm 0.15^\circ$	
Working Temperature	$0^\circ \sim +40^\circ$	
Power	9Vbattery	
Working humidity	85%	
Display resolution	0.05°	
Dimension	L57*W57*H30.5 (mm)	
Weight	200g	

## Ordering information:

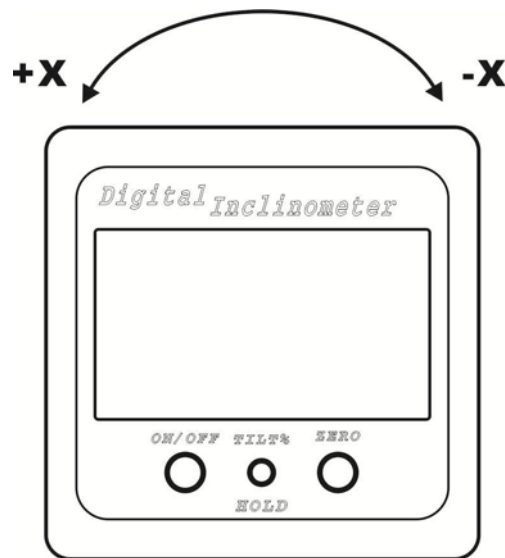
Item No.	Order Description
DMI108	Standard Digital Display Inclinometer

**Product Dimension diagram**

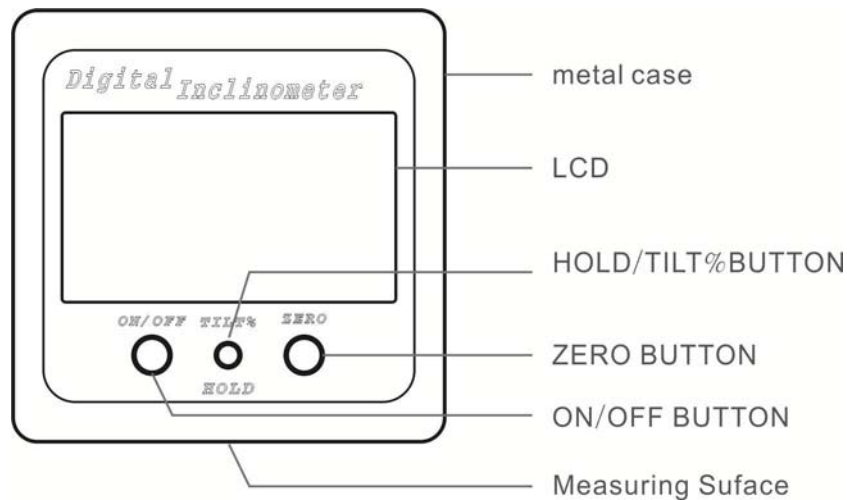


SIZE:L57\*W57\*H30.5mm

**Measurement Direction**



## Product Function Introduction



ON/OFF: Press lightly ON/OFF button to turn on,,press it again to turn off

HOLD/TILT: Short press HOLD button the display will hold the readout data, long press HOLD button for 2 seconds ,the display change to tilt%

ZERO: set relative to ZERO , gently press the ZERO key, reset do relative measurement;

Absolute measurement mode: after switch on the instrument in any plane, the display data is the absolute Angle;

Relative measurement mode: boot after put the instrument on the datum, gently press the ZERO key, set up relative to ZERO, then the inclinometer on the plane need to detect, measured by the Angle is not only the relative Angle measurement.

## Product maintenance

DMI108 powered by AAA battery, if do not use over long-term (three months), please remove the batteries to avoid damage due to battery leakage on digital goniometer.

2. If In close distance , the display has dimmed or can not be seen clearly indicates that the battery

There is a battery cover at the back of the digital display angle instrument, please follow the instructions to open the lid, then remove the old battery, can put a new battery, Please note that the front and back.

## Warning:

1. This product has a high-precision sensors and information processing circuit, non-drop impact or disassemble, or peril.
2. If turn on the power switch then no digital display, replace the batteries immediately.
3. Please do not press the two buttons at the same time, otherwise would undermine the internal procedures of the product.
4. This product should be placed away from the children to a safe location.



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