

## DUAL AXIS DIGITAL LEVEL AND GYRO ANGLE METERS



VIDEO

DISPLAY FLIPS OVER WHEN  
THE BOTTOM FACES UP

BACKLIGHT

AUDIBLE ALARM  
WHEN OUT OF LIMIT

DATA  
OUTPUT

ATTENTION: HARD  
PLASTIC CASE  
WORKING TEMPERATURE  
0°C~50°C

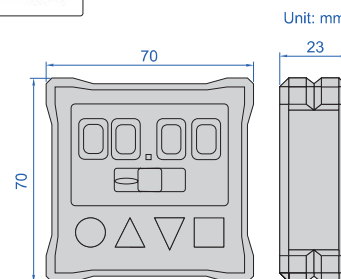
M4 threaded holes on the back for fixing



- Single axis/dual axis level and slope meter, gyro technique can measure the angle between two planes in any direction
- Hard plastic case, with V-shaped grooves, four magnetic sides
- Display flips over when the bottom faces up
- Audible alarm when out of limit
- Buttons: POWER, ZERO, HOLD, display unit (°, mm/m, %), MENU
- Automatic power off in 30 minutes
- Android and iPhone APP, PC software are included
- USB-C port, and supplied with 0.8m USB-C cable
- Power supply: rechargeable Li-ion battery 3.7 V



2199-1WL



### Specification

| Range                    | Resolution | Accuracy                        |
|--------------------------|------------|---------------------------------|
| single axis level: 4×90° | 0.01°      | 0-20°: ±0.08°<br>20-70°: ±0.15° |
| dual axis level: ±40°    | 0.01°      | 70-90°: ±0.08°                  |
| gyro angle meter: 360°   | 0.1°       | ±0.5°                           |

| Code     | Built-in bluetooth | Data transmission                                                                                                                    | Continuous working time |
|----------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| 2199-1   | No                 | transmit to PC with USB-C                                                                                                            | 40h                     |
| 2199-1WL | Yes                | transmit to PC with USB-C or bluetooth;<br>can also transmit to APP with bluetooth<br>(bluetooth transmission distance is 30 meters) | 15h                     |

### Application

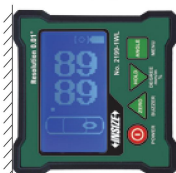
#### single axis mode



bubble



horizontal use



vertical use

#### dual axis mode



bubble



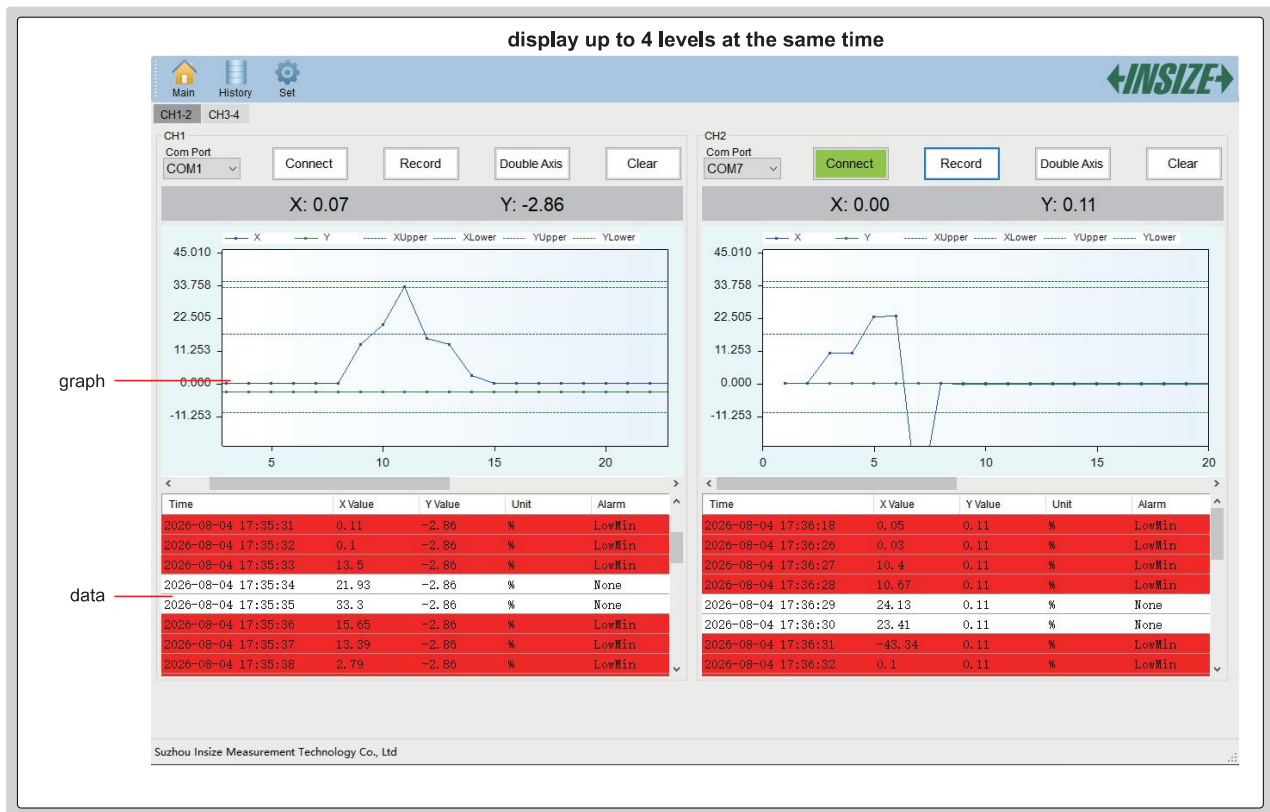
lie-down use

#### measurement of angle between two planes in any direction (gyro technique)

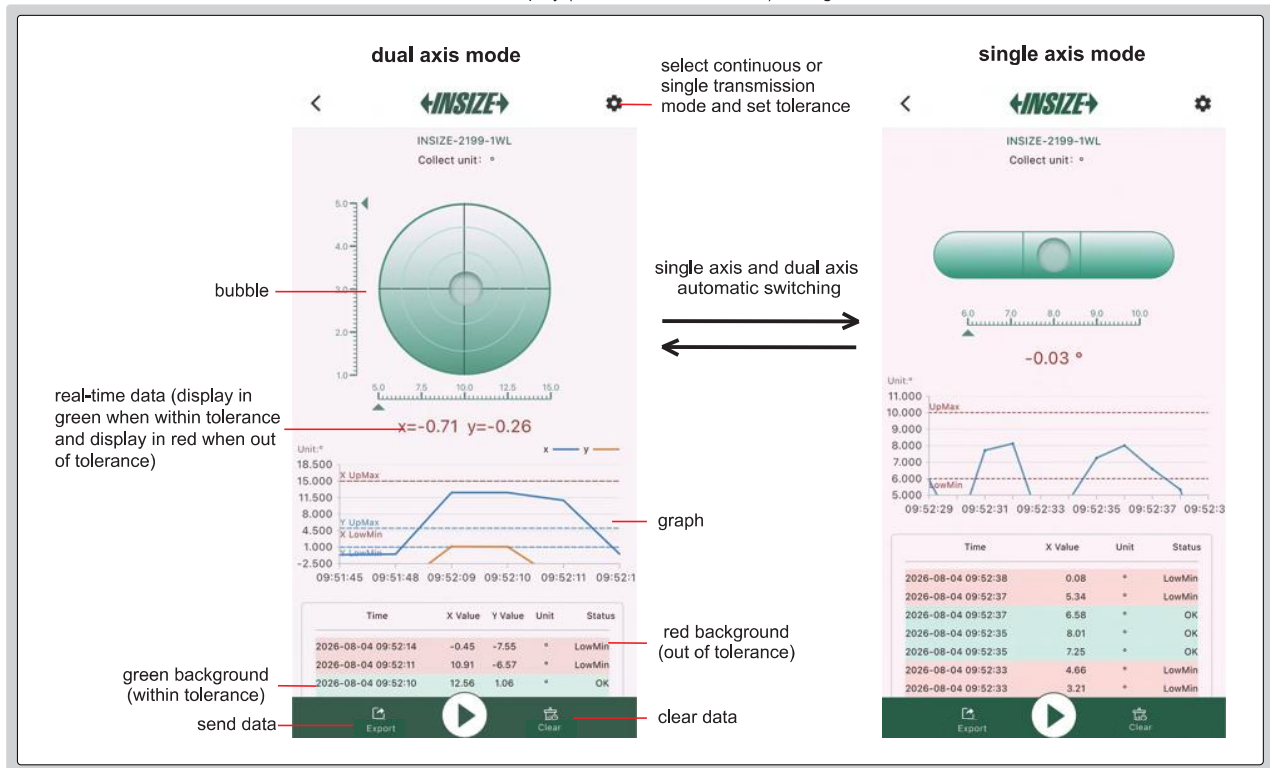


place the angle meter at the first position, press "angle" button, rotate to another position (rotation speed < 90°/s), LCD shows the angle α

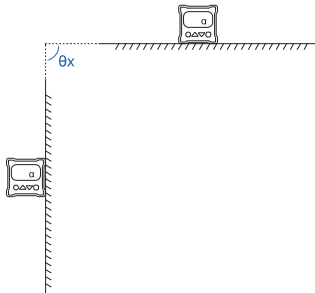
PC software (included)  
can choose real-time display (continuous transmission) or single transmission



APP (included)  
can choose real-time display (continuous transmission) or single transmission



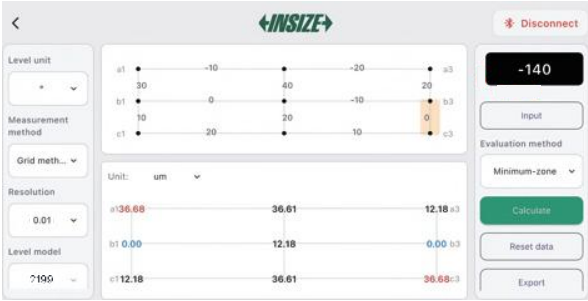
angle measurement  
(measure the angle of two surfaces, real-time measurement)



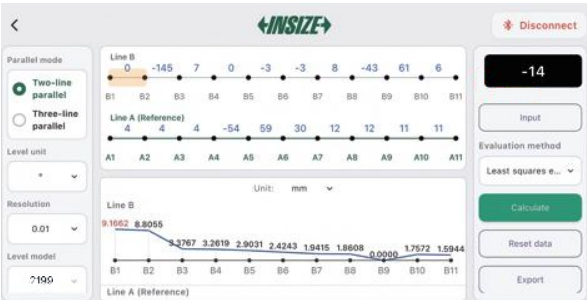
straightness measurement



flatness measurement



parallelism measurement



perpendicularity measurement

