

DUAL AXIS DIGITAL LEVEL AND GYRO ANGLE METER

DATA
OUTPUT

DISPLAY FLIPS OVER WHEN
THE BOTTOM FACES UP

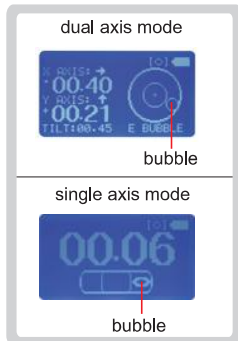
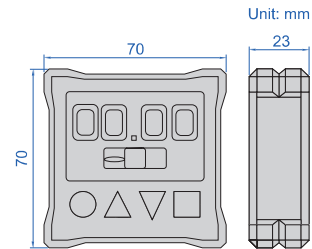
AUDIBLE ALARM
WHEN OUT OF LIMIT

BACKLIGHT

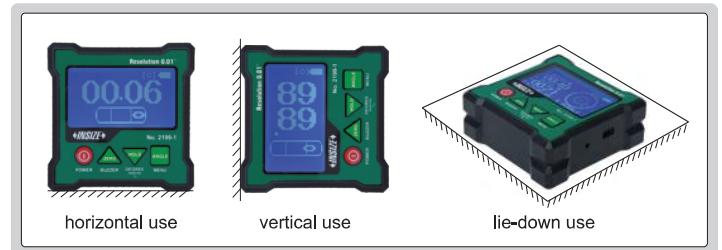
ATTENTION: HARD
PLASTIC CASE



2199-1

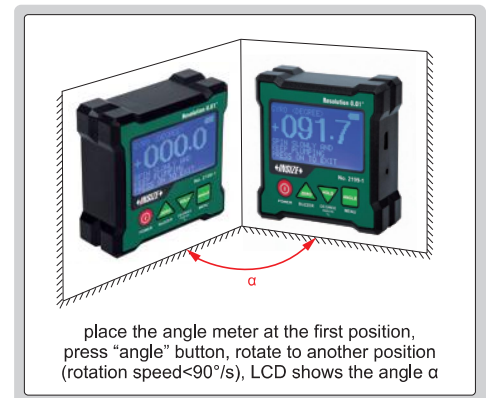


M4 threaded holes
on the back for fixing



- Single axis/double 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 ($^{\circ}$, mm/m, %), MENU
- Rechargeable Li-ion battery 3.7V, operation time is 40 hours
- Automatic power off in 30 minutes
- Data output
- Android and iPhone APP are included
- Optional accessory: wired data transmission (code 2199-A01), bluetooth (code 2199-A02), transmission distance is 10 meters (under the condition of no obstruction and no electromagnetic interference)

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$90^{\circ}/s$), LCD shows the angle α



wired data transmission
(code 2199-A01, optional)



bluetooth(code 2199-A02, optional)

Code	Range	Resolution	Accuracy
2199-1	single axis level: $4 \times 90^{\circ}$ dual axis level: $\pm 40^{\circ}$	0.01 $^{\circ}$	at 0° and 20° : $\pm 0.08^{\circ}$ at 20° and 70° : $\pm 0.15^{\circ}$ at 70° and 90° : $\pm 0.08^{\circ}$
	gyro angle meter: 360°	0.1 $^{\circ}$	$\pm 0.5^{\circ}$



connect to computer via wired data transmission



connect to mobile phone via bluetooth

Android and iPhone APP (included), can choose real-time display (continuous transmission) or single transmission

Dual axis mode

INSIZE-2199-1
Collect unit:°

bubble

single axis and dual axis automatic switching

x=0.59 y=-29.86

Export Clear Collect

graph

Time	X Value	Y Value	Unit	Alarm
01-19 15:55:01	0.59	-29.86	*	LowMin
01-19 15:54:59	-3.49	-18.26	*	None
01-19 15:54:47	-6.16	-26.90	*	LowMin
01-19 15:54:46	30.22	-13.89	*	None

Single axis mode

INSIZE-2199-1
Collect unit:°

bubble

71.02

Export Clear Collect

graph

Time	Value	Unit	Alarm
01-19 15:54:51	71.02	*	UpMax
01-19 15:54:49	71.04	*	UpMax
01-19 15:54:48	71.35	*	UpMax
01-19 15:54:43	41.91	*	None

real-time data (display in green when within tolerance and display in red when out of tolerance)

send data clear data

select continuous or single transmission mode and set tolerance

single transmission

green background (within tolerance)

red background (out of tolerance)