

High Accuracy Digital Inclinometer

FEATURES

- Dual axis
- Environmentally sealed
- High resolution
- Laser Alignment
- Rechargeable battery
- Magnetic base
- Audible alarm at limit angles



APPLICATIONS

- Angle, tilt sensing
- Orientation, rotation measurement
- Building, construction
- Industrial automation
- Platform leveling
- Plumbing
- Railways
- Heavy equipment leveling
- Job alignment in CNC, Lathe machining
- Solar panel alignment
- Antenna alignment

DESCRIPTION

It is a low cost and high accuracy inclinometer with LCD display for easy reading of angles in single or dual axis. It is based on the principal of gravity measurement using MEMS accelerometer, in conjunction with sophisticated software techniques to accomplish a guaranteed accuracy of better than $\pm 0.1^\circ$ with measurement resolution of 0.01° in the measurement range.

In addition to precision angle measurement it also contains class2 tile laser for extending the angle projection giving alignment aid for the user's work. Together with other distinguished features such as dot matrix LCD, precision settings this digital inclinometer is the best tool to make your work better and easier.

TECHNICAL SPECIFICATIONS

Parameter	Value
Measuring range:	Dual axis: $\pm 40^\circ$
Accuracy:	$\pm 0.1^\circ$
Resolution:	0.01°
Response time:	<0.4 second
Laser Beam:	Class 2, 635nm red laser, < 1mW
Operating temperature:	0 to 50°C
Storage temperature:	-10 to 60°C
User Interface:	Mono-color LCD with backlight
Supply Power:	Rechargeable Li-Ion Battery, 3.7Volt
Charger port:	5V 500mA Mini type-B USB port
Power Consumption:	Standby: 200uA, Operation: 20mA.
Standby Battery Life	2000 hours
Operating Battery Life	40 hours
Dimensions (in mm):	93(L) x 66(W) x 28(H)
Magnetic Base:	affix at the bottom and back.

