

Digital Display Inclinator

PG-CL100



Precision

Precision Measuring Instruments Co.

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NSIC
Registered Firm

Product Description

PG-CL100 is a digital display inclinometer professional for various industry angle control and measuring. The core of this product is using the micro-mechanical control principle, dual-core measurement unit, can use the Y-axis to compensate X-axis during the measurement process, and then to use our patent interleaved and temperature compensation model algorithm to play absolute operation advantages of the micro-mechanical electronic principles, to ensure that the instruments measurement with the long-term stability and repeatability. PG-CL100 is a uniaxial 360deg measurement, resolution



0.01°, accuracy <math><0.05^\circ</math> degree full-scale, fast response, stable data, products specially designed for the sides and bottom with magnetic adsorption installation, both sides of the benchmark can be measured and using normally, very convenient to use. In addition, supporting the selection of PG-CL100 with the use of separate measurement, used in combination with the Division LCA series tilt sensor, the transmission mode wireless or wired optional, wireless using one-to-one band transmission, transmission straight line distance > 10m, the cable transmission standard 1 meter (can be customized long distance), PG-CL100 series has strong scalability, convenient & practical application and industrial reliability, has absolute cost advantage and has an absolute competitive advantage in the international market!

Key Features

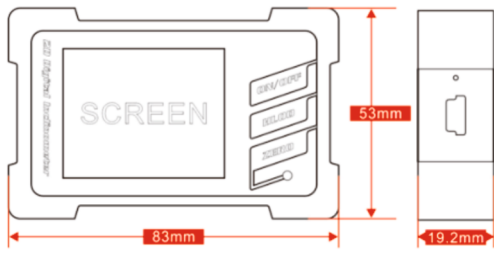
- ★ Auto-angle interleaved compensation function
- ★ Auto temperature drift compensation
- ★ User can calibrate by himself
- ★ Built-in recharge industry batteries
- ★ Night vision four colors screen
- ★ IP54 protection class
- ★ °/mm Dual units switch function
- ★ 100g High anti-impact

APPLICATION

- ★ Building construction
- ★ Automobile four-wheel testing
- ★ Road slope
- ★ Machinery installation
- ★ Piping installation
- ★ Industrial platform
- ★ Turntable testing
- ★ Cloud deck angle detection
- ★ Production jig

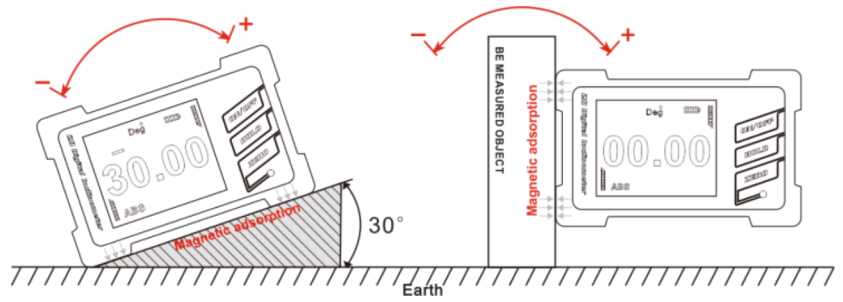


Dimension



Dimension: L83*W53*H19.2mm

Measuring Direction



Product Functions



ON/OFF:

Press for 2 seconds to power on or off

HOLD:

This key to lock the current data, convenient customer records

ZERO:

This button can switch in the absolute and relative measurement mode;(screen display ABS means absolute status, display REL means relative measurement)

HOLD & ZERO:

Press HOLD button until the screen appear a small lock sign then press ZERO, can switch in "Angle" and "mm/m" two units of measurement

ON/OFF&HOLD:

Press ON/OFF button until the screen to be black then press the HOLD button , can calibrate the accuracy according to the screen

ON/OFF&ZERO:

Press ON/OFF button until the screen to be black then press the HOLD button , can calibrate the ZERO according to the screen

RESET HOLE:

If the instrument occur a crash in working, key can't operation, can use the needlepoint hard object to insert into the hole for touch the button

USB JACK:

For charging purposes or Angle of external connection, data transmission

WARNING LIGHT:

Charging warning lights, lights up means is charging, light off mens has been filled with power then can take off the charger. (In order to keep the battery with a long life please don't use it as much as possible when it is charging with power)

Technical Data

PG-CL100	PARAMETERS	UNIT
Angle measuring range	±180 °	±°
Length measuring range	0~±999.9	mm/m
Measuring axis	Single axis	-
Angle measuring accuracy	0.05 ° (Full range)	°(RMS)
Angle measuring resolution	0.01	°
Length measuring accuracy	0.9 (Full range)	mm/m(RMS)
Length measuring resolution	0.17	mm/m
LCD visible area size	L40*W32	mm
Working temperature	-10~+70°C	°°C
Working humidity	<85	°°C
Power supply	3.7V Charging Lithium battery	V
Ideal charging time	3	h
Battery continuous working time	8(±0.5)	h
Data output signal	Standard 5 Pin USB connector	/
Anti-vibration	10g@11ms, 3 Times/Axis (half sinusoid)	/
Impact resistance	10grms, 10 ~100Hz 100Hz	/
Weight	125	g
Waterproof level	Ip54	/
Material	Metal aluminum	/
Size	L83*W53*H19.2	mm



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