



## Read Carefully before Using

### ■ Announcement

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Precaster is trade mark for Precaster Enterprises Co., Ltd.

Bluetooth is trademark of Bluetooth SIG, Inc.

Precaster reserved the right to modified, change all the description and specification for 40-6250.

Precaster has no right to announce for all the customers.

Please get latest update from our website [www.precaster.com.tw](http://www.precaster.com.tw)

Or contact your deal in your country.

#### Caution :

Please do not attend to modify and change on 40-6250 without authorized or you may loose your warranty.

## Water resistant of Master

- This model didn't have water resistant protect function.
- If you let the instruction expose in the sweat , salt water, please use towel to dry up immediately, in order to avoid the instruction attack corrode. Please to check carefully with your instruction if it is already dry up.

\*If you have the demand for impermanent water resistant demand, you can let the instruction into the transparent and then seal up before your operation.

## The water resistant protect function for Slaver

- Please do not to use the instruction outdoor while in the wet environment or rainy day.

We can't promise you once you use the instruction in the bad environment and expose it outdoor over five minutes.

- Please don't expose the instrument contact sweat , salt water or rain,after using, please use the dry towel to clean immediately, in order to avoid the instruction into corrode.
- Please do take out the batteries after using(in order to avoid the short circuit), also check seriously the surface , joint and other metal surface.

## ■ Maintenance

40-6250 is an advanced instrument, please use it carefully

- Please store it in safe place and keep out of reach of children
- Please take and place the instrument carefully. Throw,knock or shake it could cause inner circuit panel and parts damage.
- Avoid to use the power supply unit outdoor. Rain and water contact with power supply unit could cause fire of electronic wire or instrument burn down.
- Avoid to located in dusty,dirty place or use instrument in this environment. The parts and electronic units would get damage easily.
- Avoid to located in high temperature. High temperature could shorten the lifetime of electronic unit and causing battery damage,some parts shape change or melt down.
- Avoid to located in low temperature. When instrument temperature going up to normal temperature could bring humidity inside of it and causing circuit panel damage.
- Please don't take the instrument apart, it could cause instrument maintain condition damage and warranty invalid.



- Please don't use stimulative chemical, corroded cleaning solvent to wash instrument.
- If apply the paint to instrument. The paint could hinder mobile parts from function and causing instrument unfunctional.

Above advices are suitable for your instrument, battery, power supply unit or any other parts.

**If there are any unit is not able to use, please contact your local dealer for maintain and test.**

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense



## Master(Receiver)Button Operation

1. Please check the battery in backside of container to make sure the cathode and anode connector is correct then cover up.
2. Master(Receiver),please use 3 \* ALKALINE Size: AA LR6 / 1.5V
3. Below situations the operation button is not effected.
  - (1)Measuring Mode,all operation buttons are not effected. (except 1&2 and 7, axis switch and backlight)
  - (2)Locking Mode,all operation buttons are not effected. (except 1 and 6,locking button)
  - (3)Calibration Mode,all operation buttons are not effected. (except 1 and 7 calibrating button)
  - (4)Please measuring after Link light of Master and Slaver is bright. If wait for long time or instrument is not connected,please turn them off and turn on again.



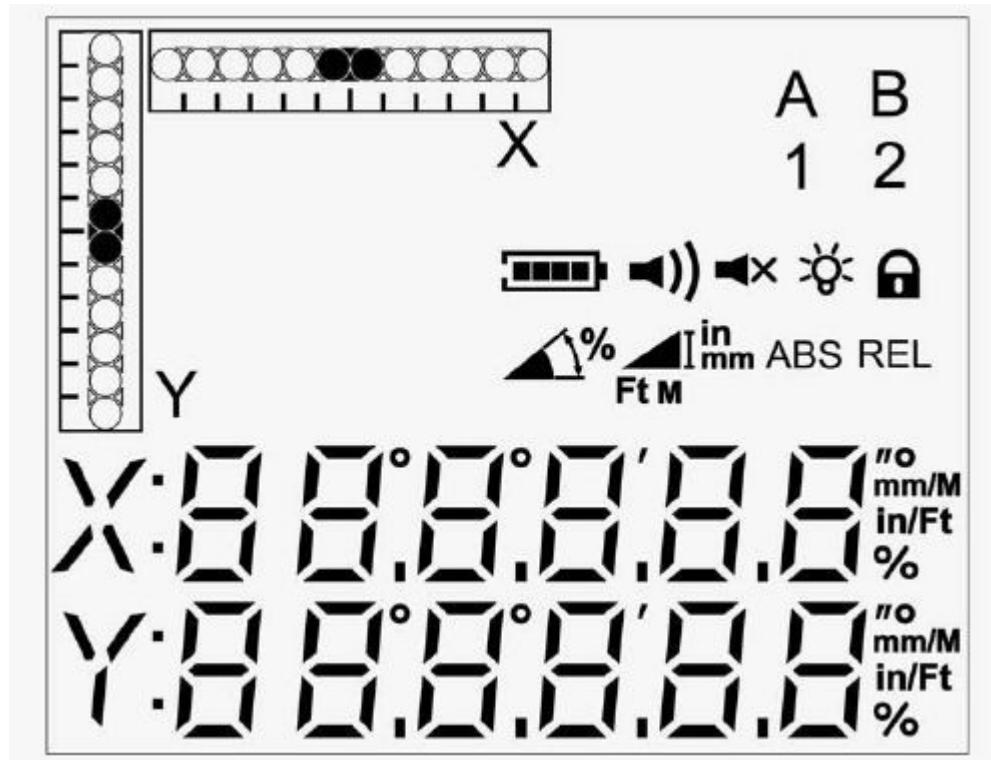
## 1. Specification:

No.	Item	Description	Remark
1	Operation Range	-10° ~ +10°	
2	Axis	X axis, Y axis	
3	Resolution	0.002°, 0.01°, 0.1°, 1°	
4	Repeatability	< 0.005° (2δ)	
5	Absolute Accuracy (25°C)	< 0.01° (±3°)  < 0.04° (±10°)	
6	Temperature Drifting	< 1" / °C (0°)  < 1.5" / °C (±3°)	
7	Response Time	< 2S	
8	Operation Temperature	-10°C ~ +50°C	
9	Storage Temperature	-20°C ~ +60°C	
10	Weight	< 300g (including AA battery * 3)	
11	Dimension	70*24*134mm (Receiver)	
12	Communication	Master (Receiver):  Bluetooth Output * 1  Cable Output * 2  Slave (Sensor):	

		Bluetooth Output * 1 Cable Output * 1 PC Output * 1	
13	Power Supply	Master (Receiver): AA Battery * 3  Slave (Sensor):  DC 5V or AA Battery * 3	
14	Range for Bluetooth	10m	
16	Buzzer	1. Alram when over pre-set range.  2. Low Power Warnning  3. Button Buzzer	
17	LCD Context	40*50mm  Digitial and Graph Display.	Dia 1.
18	LCD Backlight Color	Green	
19	Opération	By Master (Receiver)	Dia 2.
20	Battery Life	Receiver > 8h Sensor > 8h	Backlight off.
21	RoHS Compliance	YES (Receiver and Sensor)	
22	EU Instruction 91/338/EEC	YES (Receiver and Sensor)	Cadmium test
23	EU Instruction 94/62/EC	YES (Receiver and Sensor)	Package and Package Waste.
24	WEEE for EU/EG/EE	YES (Receiver and Sensor)	

25	Chinese RoHS.	YES (Receiver and Sensor)	
	EMC for Receiver and Sensor	CE / EMI: EN61000-6-3/2007 EN55022/2006 Group1 Class B EMS: EN61000-6-2/2005 IEC61000-4-2/2001 (static electricity) IEC61000-4-3/2006 (Radiation of electromagnetism) IEC61000-4-4/2004 (Burst) IEC61000-4-6/2006 (Conducted Immunity) IEC61000-4-8/2001 (Magnetic field) FCC Part15-C Class A /2007	

## 2. Operation and Buttons:



### 3. Description

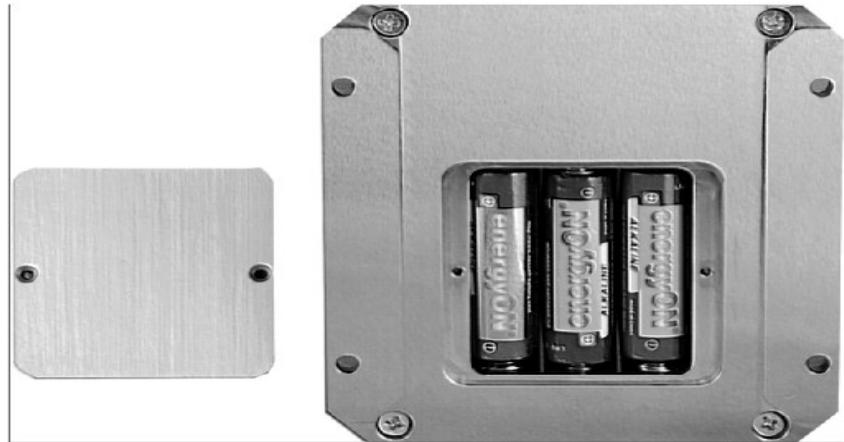
Button	Function	Description
Power  POW	Power on-n-off	Hold for 1 second to turn on Sensor with beep.
		Hold for 2 seconds to turn on Receiver with beep.
Meas  MEAS	Enable Measure	Enable measuring and lock control pad with beep.
	Disable Measure	Disable measuring and unlock control pad with beep.
Resolution  SEN/DEG	Switch resolution	0.002° → 0.01° → 0.1° → 1° → 0.002°
		Degree → Minute → Second
Functions  a mm/m In/Ft CHN	Switch functions	Percentage of Slope (%)
		mm / M
		in / ft
		Channel Select (A→B→A)
Absolute, Opposite and Degree Alert  ABS/REL WARN	Absolute-n-Opposite	Switch between absolute and opposite value
	Degree Alert Setup	<ol style="list-style-type: none"> <li>When degree stop to X1 and Y1, press meas to pause measure.</li> <li>Hold this button to set degree 1, LCD will display “1” .</li> <li>Than enter meas and move sensor to another desired X2 and Y2.</li> <li>Pause meas again and hold same button for set degree 2. LCD will display “2”.</li> <li>When sensor is out of range (1 and 2), receiver will alert you.</li> <li>To disable alert, press this button to enable 1 and 2.</li> </ol>

<b>Lock and Quiet</b> 	<b>Lock</b>	To lock control pad.
	<b>Quiet</b>	To disable beeper.
<b>Select Axis, Backlight and Calibration</b> 	<b>Select Axis</b>	Press to switch display between X, Y, X n Y
	<b>Backlight</b>	Hold 2 seconds to turn on-n-off Backlight
	<b>Calibration</b>	<p>If this function is not working, please do not operate, it could cause the level displacement.</p> <p>If the precision of instrument is not correct, please send it back to our company for test and maintenance.</p> <ol style="list-style-type: none"> <li>1. Put sensor on a flat plate (<math>\pm 3^\circ</math>)</li> <li>2. Hold 5 seconds to enable Calibration mode.</li> <li>3. LCD splashing at 1, this means calibration step 1 is enable.</li> <li>4. Press this button to enter step 2</li> <li>5. LCD changing from 1 to 2, means calibration step into step 2.</li> <li>6. Move sensor for <math>180^\circ</math> than press this button again</li> <li>7. Digital 2 will disappear to finish calibration.</li> </ol>

## Sensor(Slaver) Bluetooth Leveler

### 1. Battery Loading

- (1) Turn slaver over to bottom up as the appendix photo, loosen the screws of bottom then take cover out and load the batteries .
- (2) Put the cover back and tighten the screws of bottom equally.



### 2. Power on and off

- (1) Hold for 1 second to turn on Sensor with beep and the red Power Led light is bright.
- (2) Hold for 1 second to turn off Sensor with beep and the red Power Led light is dark.

## Appendix Photo Slaver( Bluetooth Leveler)description

