

Digital Centering Heads

Reg. No. 1,015,681 MADE IN U.S.A.

53077-D

53087-D

Instruction Guide



www.flangewizard.com

Recalibration: (Recalibrate unit only when it is inaccurate)

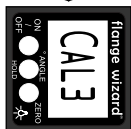
- Put the bottom surface of the unit onto level surface which has been calibrated.
- When it is power-off, hold the unit, press the "ZERO" button, then press the "ON/OFF" button, the LCD displays "CAL1" entering the calibration status.



- (a) Hold the unit and keep it still, then press the ZERO button, the LCD displays "CAL 2".



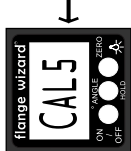
- (b) Rotate 90° clockwise, hold the unit and keep it still, press the "ZERO" button again, the LCD displays "CAL 3".



- (c) Rotate 90° clockwise, hold the unit and keep it still, press the "ZERO" button again, the LCD displays "CAL 4".



- (d) Rotate 90° clockwise, hold the unit and keep it still, press the "ZERO" button again, the LCD displays "CAL 5".



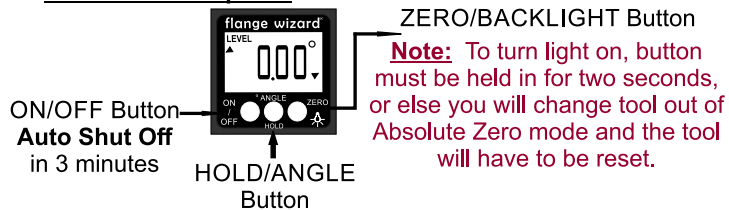
- (e) Rotate 90° clockwise, hold the unit and keep it still, press the "ZERO" button again, the LCD displays "PASS", then displays "0.00°".



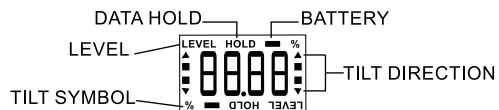
- ▲ Now the calibration is finished, new level surface replaces the previous one. Please notice to keep the unit still when pressing "ZERO" button.

- ▲ The inclinometer is fully calibrated prior to shipment from the factory. Recalibrate unit only when it is inaccurate.

Function Description:



Hold ON/OFF Button in to display screen info below.



Product Features

- Relative/absolute measurement interchange at any position.
- Angle and slope readout conversion.
- Data hold.
- The product has auto off function, when stationary for more than 3 minutes, it will turn off the battery by itself.
- Compact and portable, wide application.

Technical Parameters

- Measuring range: 4 * 90°
- Resolution: 0.05°
- Accuracy: +/- 0.2°
- Repeatability: 0.1°
- Battery: 2 X AAA batteries
- Working temperature: -10 to 50° C
- Absolute zero measurement based on the level surface

ON/OFF Button

Short press the ON/OFF button to turn it on or off.

° ANGLE Button



* Make sure you are in degree mode.

Short press HOLD/ANGLE Button the display will hold the readout data.



Long press HOLD/ANGLE Button for 2 seconds, the display will change to tilt %.

ZERO Button

- Measurement initially displays 0.00° on the LCD, when it displays "▲" on the left side, and "▼" on the right side, it means the left side is higher. When it displays "▼" on the left side and "▲" on the right side, it means the left side is lower.
- Turn on the digital unit and begin to measure, the read-out is the relative angle of the absolute level.
- Press the "ZERO" button, reset the value to proceed relative measurement.
- To switch the backlight, long press the "☼" button.

Absolute Measuring Mode

Turn on the unit and begin to measure, the read-out is the relative angle of the absolute level. (The absolute zero position of the unit has been factory-calibrated).



Relative Measuring Mode

The instrument allows you to set zero at any slope as a reference surface, and to measure the relative angle based on the slope.

- When it turns on, put the digital box onto the measuring surface (showing the angle comparing the absolute level)



- Short press ZERO button, it displays " 0.00° ".



- Put the instrument on the surface that needs to be measured, or change the angle on the reference surface, the readout displays the angle value relative to the reference surface.



$45^{\circ} - 20^{\circ} = 25^{\circ}$