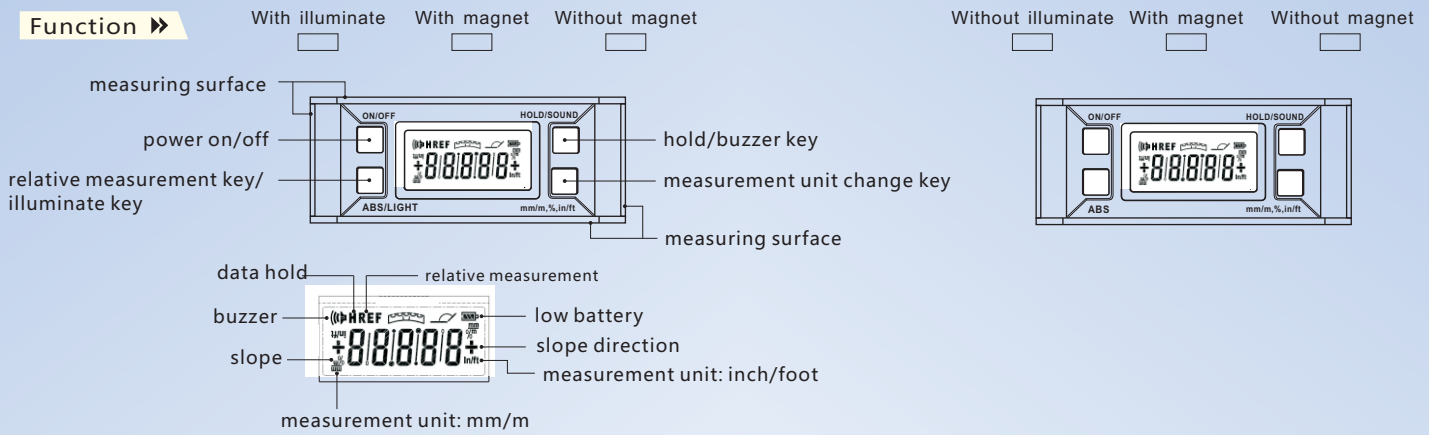


DIGITAL PROTRACTOR INSTRUCTION MANUAL

Function ▶▶



Key Function ▶▶

- 1) Press the "ON/OFF" key, it turns on, and the LCD displays absolute horizontal angle. Press "ON/OFF" key again, it turns off. The LCD automatically power-off in five minutes when without any operation, so as to save the battery power.
- 2) Short Press "ABS" key, it displays "REF", and goes in relative measurement mod; press the key again, "REF" disappears, it returns to absolute measurement mode.
- 3) Press "HOLD/SOUND" key one time, it displays "H", and holds the present data; Press again, the data hold is released, and the "H" disappears; Long press this key, it displays buzzer icon, it buzzes at the angle "0±1°", "45±1°", "60±1°", "90±1°". If for a long time press this key again, the buzzer function released, the icon disappears.
- 4) When the measurement unit is in mm/m, %, m/ft, mm/m state, press the measurement unit change key every time, the measurement unit is changed to %, mm/m, in/ft, ° successively.

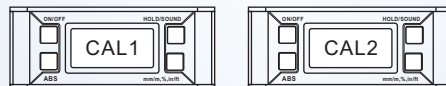
Technical Parameters ▶▶

Accuracy	0 and 90° ≤ 0.10° Other degree ≤ 0.15°
Resolution	0.05°
Range	4×90° (0~360°)
Repeatability	≤ 0.10°
Battery	3V (2 pieces AAA battery)
Working current	≤ 8mA
Working temperature	0~40 °C
Relative humidity	≤ 80%
Automatic readout flipping right side up for the convenient reading when the protractor is upside down.	

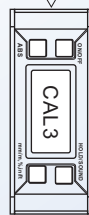
Calibration Method ▶▶

Put the item on horizontal level (user face the display) under the power off state, first press and hold the "HOLD/SOUND" key.

- 1) Then press the "ON/OFF" key, it goes into calibration mode, the LCD displays "CAL1"; Hold the item still, press again "HOLD/SOUND", the LCD displays "CAL2".



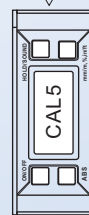
- 2) Rotate the item 90 degree in clockwise direction, and put the right measuring surface on the horizontal level, and keep the item still, then press "HOLD/SOUND" key again, the LCD displays "CAL3".



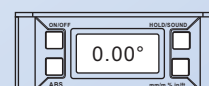
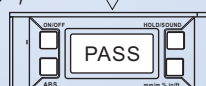
- 3) Rotate the item 90 degree again in clockwise direction, and put the upper measuring surface on the horizontal level, and keep the item still, then press "HOLD/SOUND" key again, the LCD displays "CAL4".



- 4) Rotate the item 90 degree again in clockwise direction, and put the left measuring surface on the horizontal level, and keep the item still, then press again "HOLD/SOUND" key, the LCD displays "CAL5".



- 5) Rotate the item 90 degree again in clockwise direction, and put the bottom measuring surface on the horizontal level, and keep the item still, then press "HOLD/SOUND" key again, the LCD displays "PASS", then displays data "0.00°", calibration is finished.



Attentions ▶▶

- 1) The item has been calibrated before factory delivery, it can be used directly after battery is installed.
- 2) When the horizontal level declines, the user needs to calibrate it again (please refer to calibration method).
- 3) There is no special notice for new generation development.