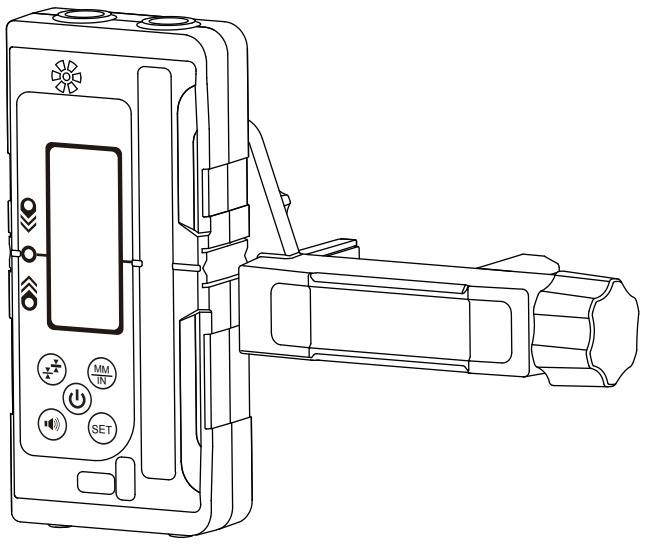
Detector User guide

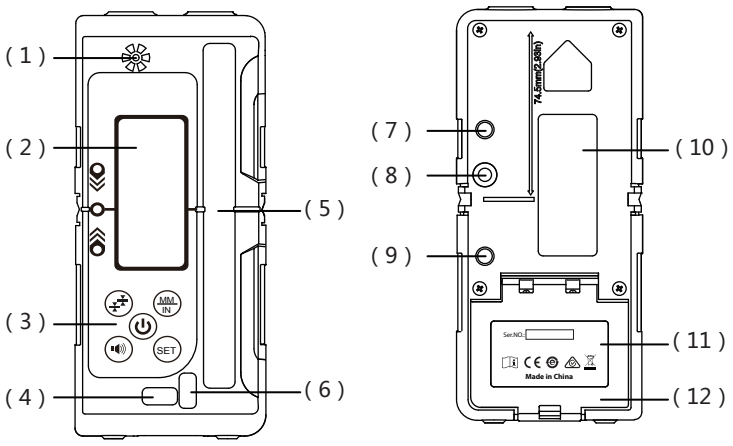


Note: This product does not contain a laser. However, when working with laser tools, obey the safety instructions for particular instrument.

Specification

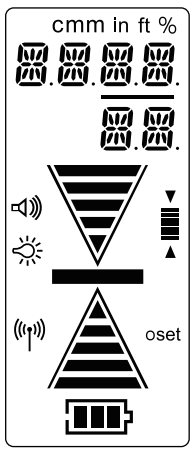
Leveling Accuracy (High):	1mm
Leveling Accuracy (Normal):	2mm
Leveling Accuracy (Low):	5mm
Leveling Accuracy (Lowest):	10mm
Laser Reception Window Width:	127mm
Working radius	≥300M
Bubble Vial Accuracy:	30′ /2mm
Operation Time:	24h (no Illuminate LCD)
Auto Power Off (with No Signal Detected):	30min
Power Supply:	2 × AA batteries (Alkaline)
IP Rating:	IP66
Operating Temperature Range:	-10℃~50℃
Storage Temperature Range:	-20℃~70℃

Attention: Working radius depends on the model of laser instrument.



(1) Beeper output
(2) Front LED
(3) Keypad
(4) Bubble Vial
(5) SuperCell Reception Window
(6) Bubble Vial
(7) Captive Screw Thread
(8) 1/4 insert
(9) Captive Screw Thread
(10) Back LED
(11) Serial Number
(12) Battery cover

Power On/Off
Illumination On/Off
Unit Switch
Speaker Volume key
Zero setting key
Accuracy key



Battery Power – Solid

Approximate Battery Life as Shown

Battery Power – Blinking

Battery needs to be changed

Higher than Laser Beam. Move the Detector the Direction Shown(Down).

Datum In Line with Laser Beam.

Datum Lower than Laser Beam. Move the Detector the Direction Shown(Up).

or or or or or

High Accuracy

Normal Accuracy

Low Accuracy status

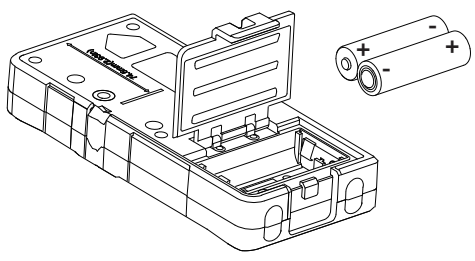
Lowest Accuracy status

Batteries and Power

Battery Installation/Removal

1. Open Battery Cover.
2. Install/Remove batteries. Orient batteries correctly when placing into laser unit.
3. Securely close and lock battery cover.

Warning: Pay close attention to the battery holder's (+) and (-) markings proper battery insertion. Batteries must be same type and capacity. Do not use a combination of batteries with different capacities remaining.

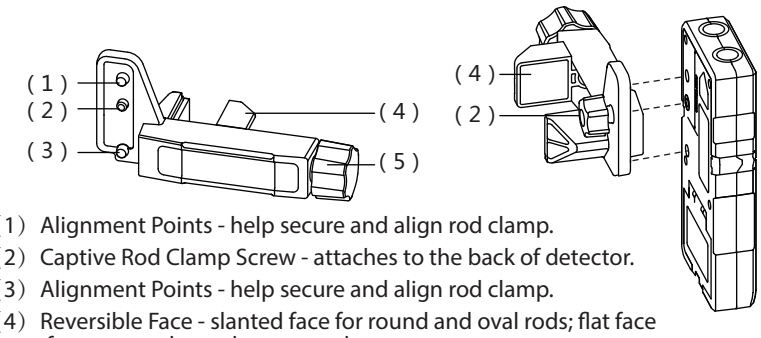


Rod Clamp

Detector can be used in hand or with optional clamp to mount the detector to a measuring rod, pole, or similar object.

To mount clamp onto detector (See figure) :

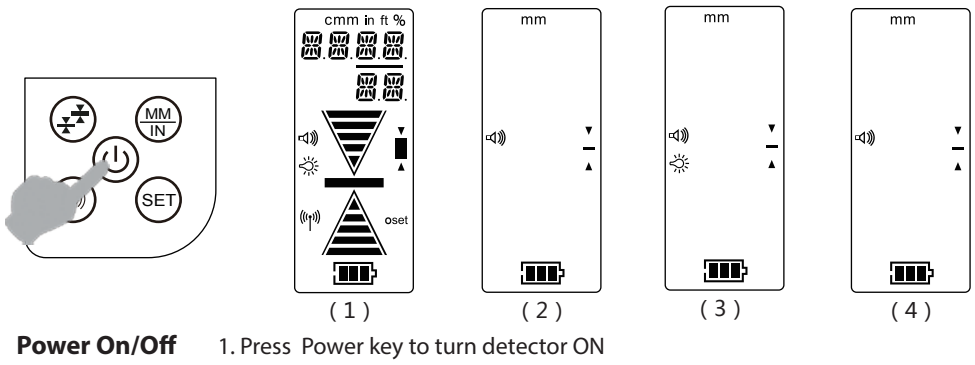
- Guide the clamp towards the detector using the alignment hole.
- Tighten the fixing screw.



(1) Alignment Points - help secure and align rod clamp.
(2) Captive Rod Clamp Screw - attaches to the back of detector.
(3) Alignment Points - help secure and align rod clamp.
(4) Reversible Face - slanted face for round and oval rods; flat face for rectangular and square rods.
(5) Clamping Screw Knob - secures clamp to rods by moving the traveling jaw. Clockwise tightens; Counterclockwise loosens.

Operation

Power On/Off Illumination On/Off



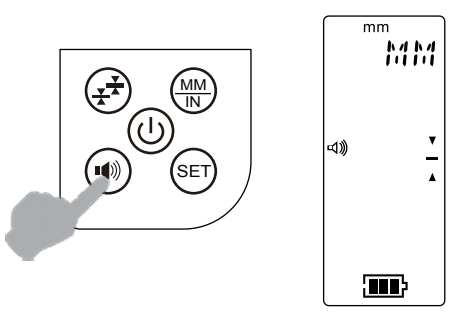
Power On/Off
1. Press Power key to turn detector ON
2. When powered ON, the entire LCD will momentarily display all icons (this allows a check to ensure that LCD is functioning correctly).
3. Press and hold for ≥3 seconds to turn detector OFF.

NOTE:
The detector will automatically power OFF after 30 minutes of not detecting a laser beam to conserve battery. To power ON again, press .

Illuminate LCD 1. When detector is ON, press to turn ON/OFF LCD illumination.

NOTE:
The illumination will automatically OFF after 10 minutes of not detecting a laser beam and no operation.

Speaker Volume



Buzzer Volume – Loud

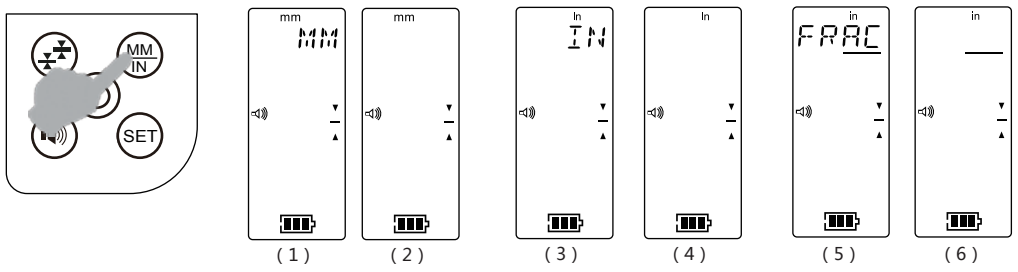
Buzzer Volume – Soft

Buzzer Volume – Mute

When powered ON, LOUD setting is ON by default.

Unit Switch

Press (MM/IN) to toggle unit setting between Metric and English.

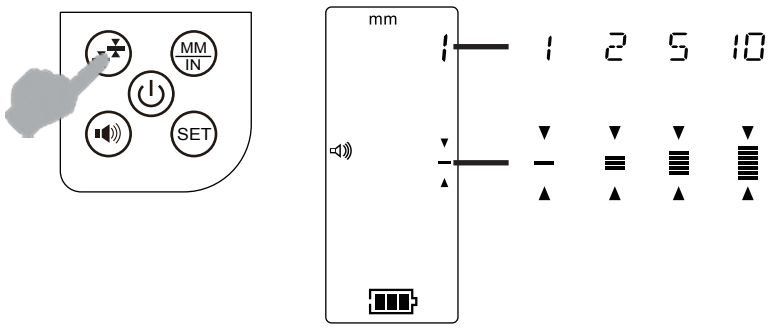


Press one time into 'mm' mode, and 'mm' will show briefly.

Press two times into decimalism mode, and 'IN' will show briefly.

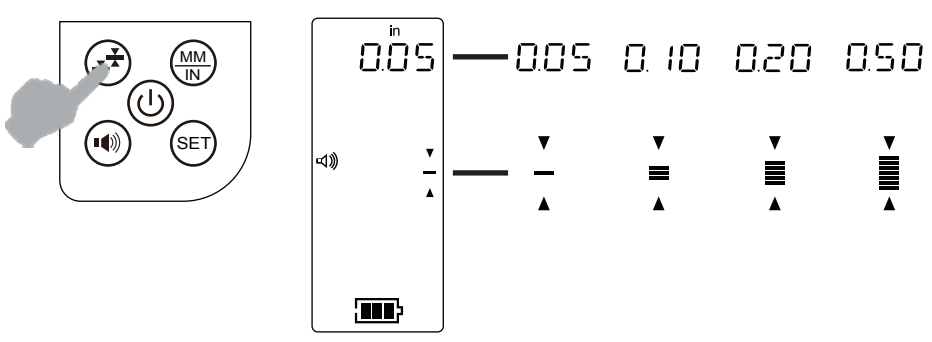
Press three times into duotricemary notation mode, and 'FRAC' will show briefly.

Accuracy mm mode



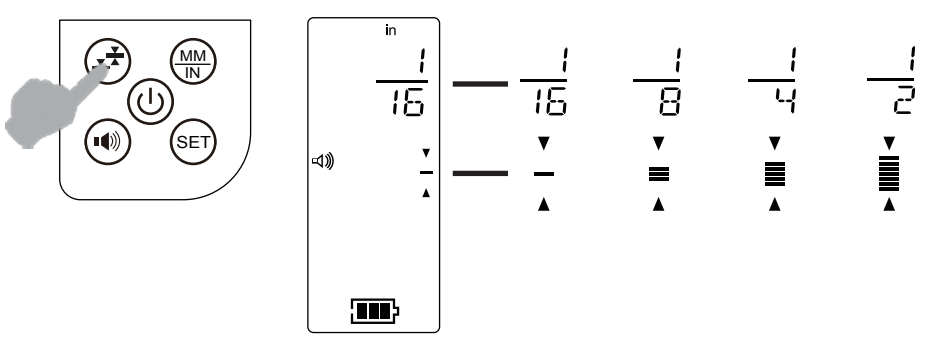
When powered ON, press (⁂) to toggle accuracy setting between HIGH, NORMAL, LOW and LOWEST.

Accuracy decimalism mode



When powered ON, press (⁂) to toggle accuracy setting between HIGH, NORMAL, LOW and LOWEST.

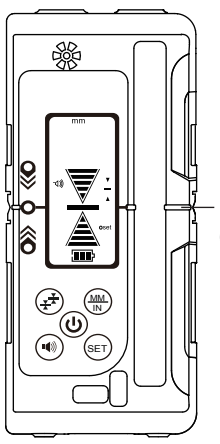
Accuracy duotricemary notation mode



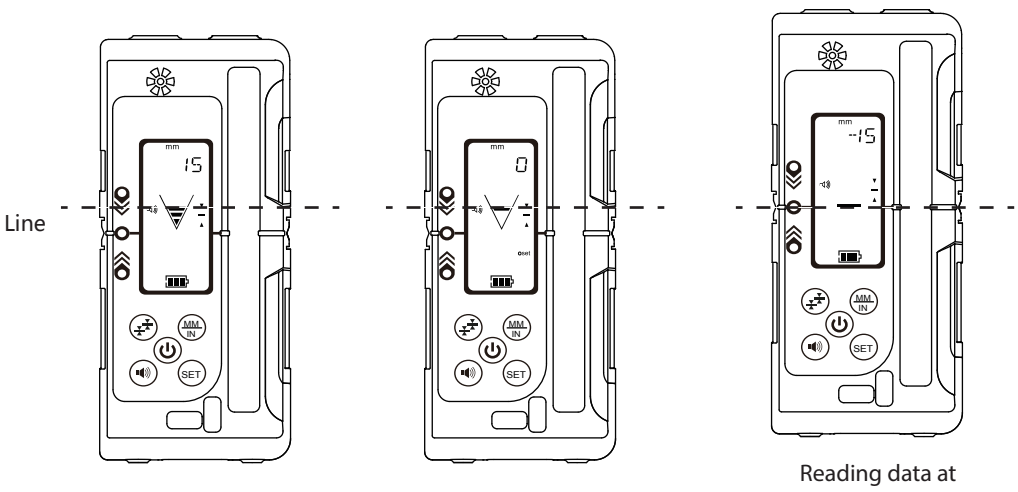
When powered ON, press (⁂) to toggle accuracy setting between HIGH, NORMAL, LOW and LOWEST.

Zero setting function

1. When powered ON, mechanical zero position is default (the height of groove on housing), all readings are based on this zero position.



2. When powered ON, and detector is in receiving range (showed a reading), press SET key to Zero set, and Detector will display the reading default to the current position of laser beam.



3.When Detector doesn't detect the laser beam, or laser beam is beyond receiving range, press SET key the LCD will display ERROR and no further action.