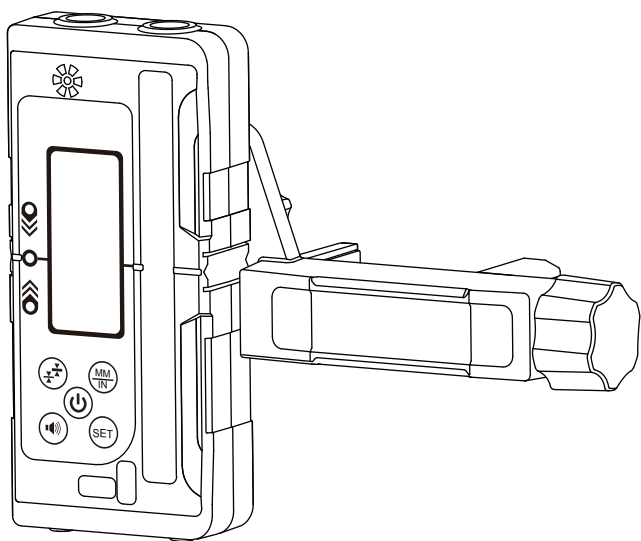


Detector User guide

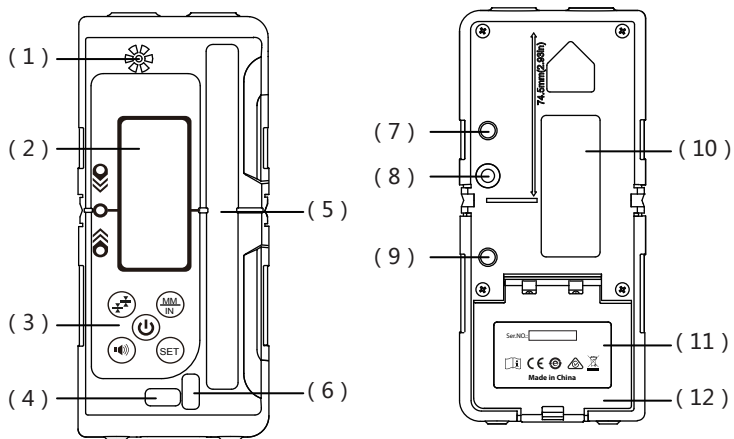


Note: This product does not contain a laser. However, when working with laser tools, obey the safety instructions for particular instrument.

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°C~50°C
Storage Temperature Range:	-20°C~70°C

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



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

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



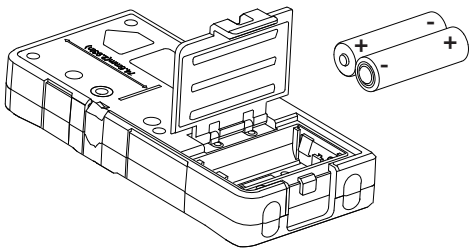
- Battery Power – Solid
Approximate Battery Life as Shown
Battery Power – Blinking
Battery needs to be changed
Higher than Laser Beam. Move the Detector the Direction Shown(Down).
Datum In Line with Laser Beam.
Datum Lower than Laser Beam. Move the Detector the Direction Shown(Up).
High Accuracy
Normal 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.

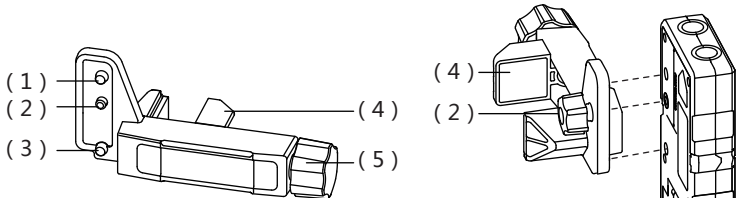


Rod Clamp

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) :

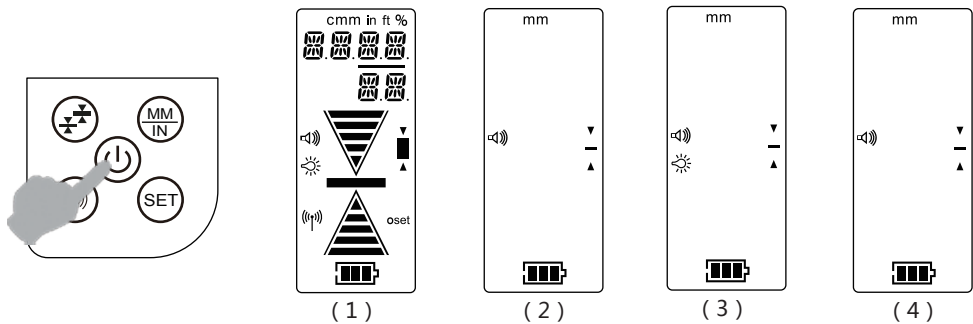
- Guide the clamp towards the detector using the alignment hole.
- Tighten the fixing screw.



- (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



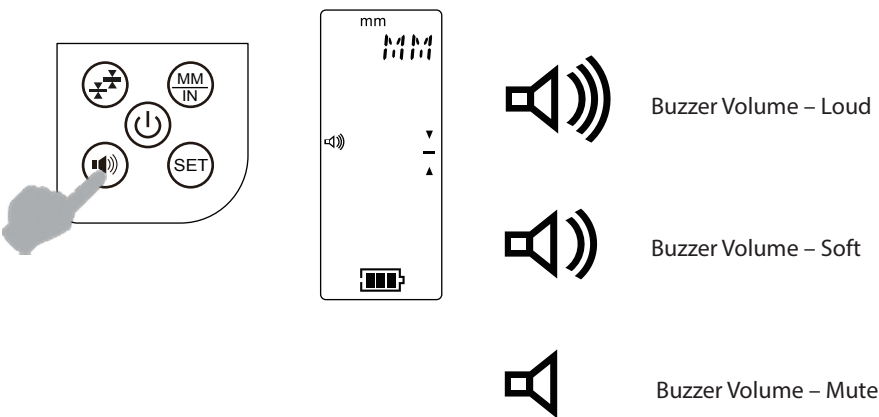
- Power On/Off**
1. Press Power key to turn detector ON
 2. When powered ON, the entire LCD will momentarily display all icons (this allows a check to ensure that LCD is functioning correctly).
 3. Press and hold for ≥3 seconds to turn detector OFF.

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.

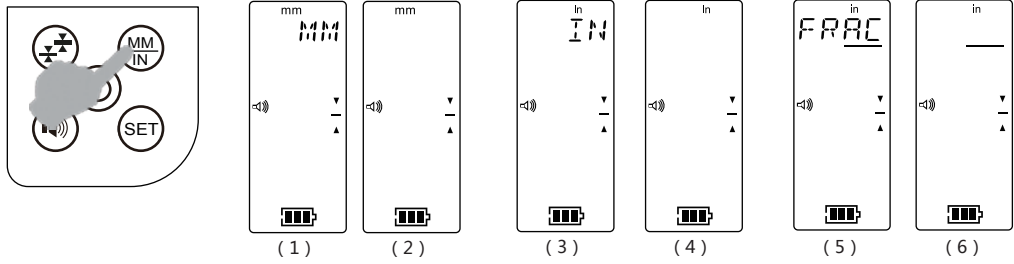
Speaker Volume



When powered ON, LOUD setting is ON by default.

Unit Switch

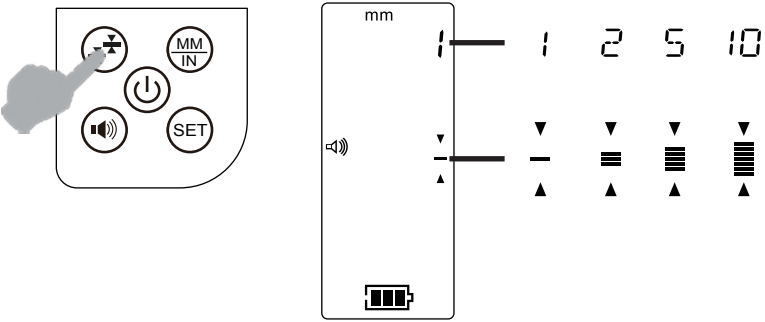
Press  to toggle unit setting between Metric and English.



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

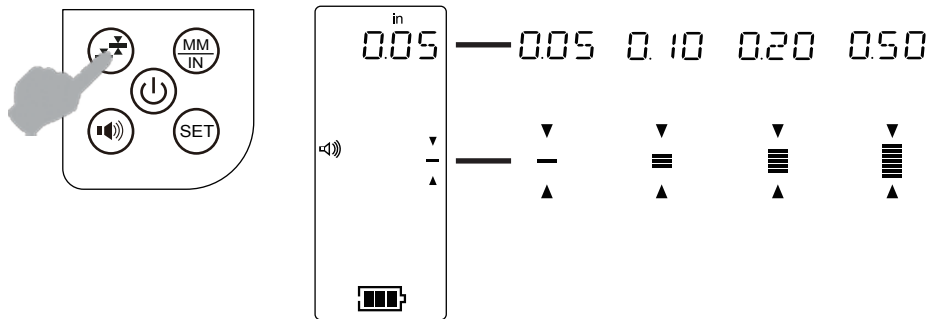
mm mode



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

Accuracy

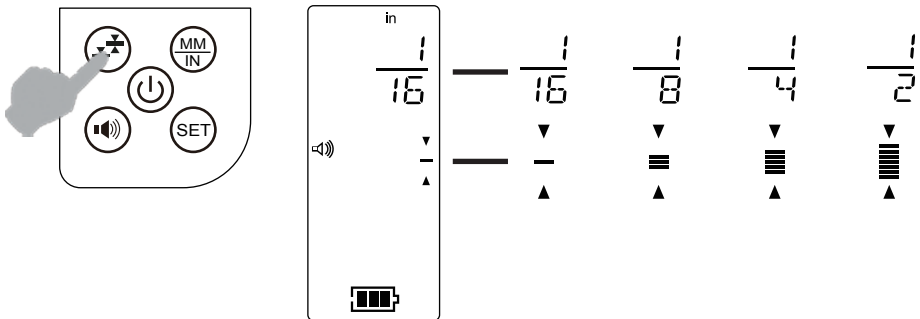
decimalism mode



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

Accuracy

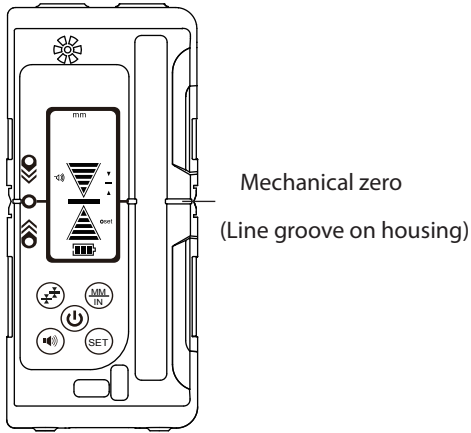
duotricemary notation mode



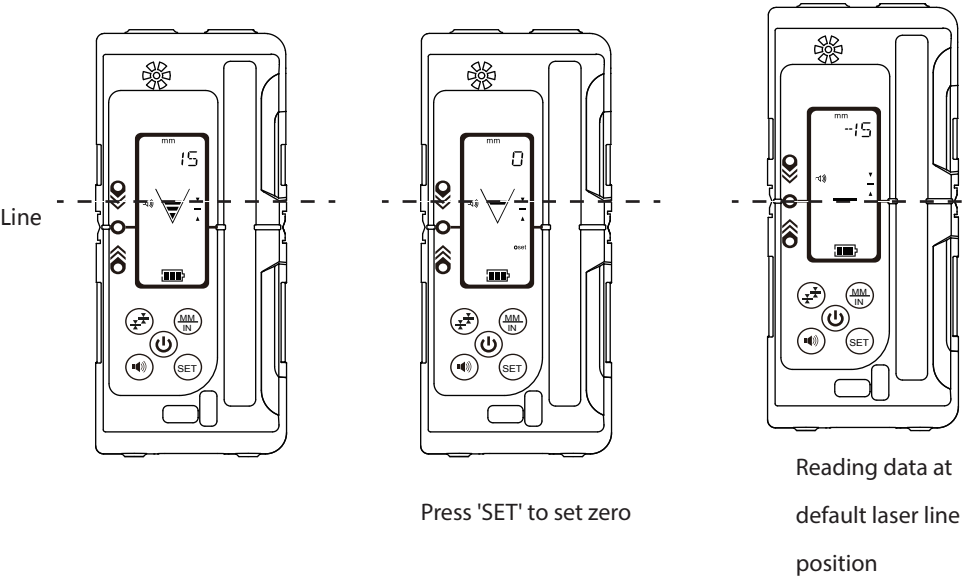
When powered ON, press  to toggle accuracy setting between HIGH, NORMAL, LOW and LOWEST.

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.

