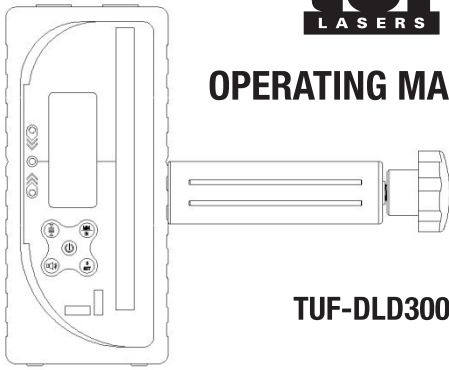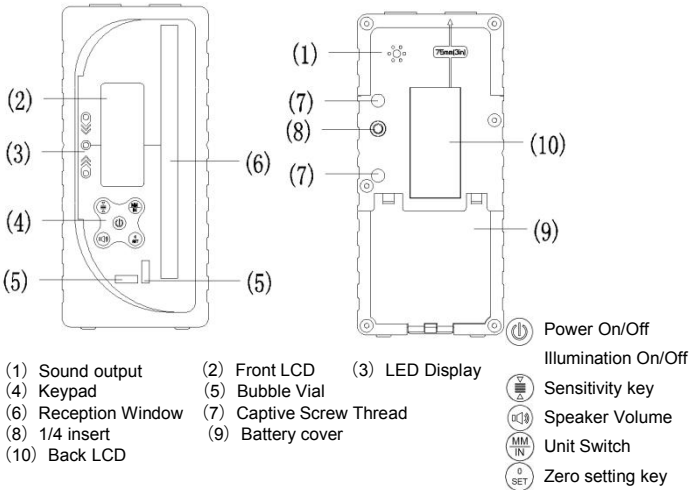# tuf LASERS

OPERATING MANUAL

TUF-DLD300

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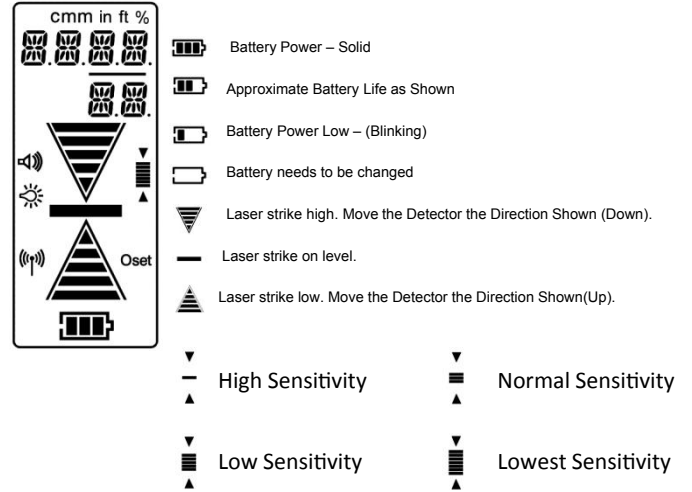
Specification

Leveling Sensitivity (High):	1mm
Leveling Sensitivity (Normal):	2mm
Leveling Sensitivity (Low):	5mm
Leveling Sensitivity (Lowest):	10mm
Laser Reception Window Width:	135mm
Working radius	≥300m
Bubble Vial Accuracy:	30'/2mm
Operation Time:	24h (no Illuminate LCD)
Auto Power Off (with No Signal Detected):	30min
Power Supply:	4 × AA batteries (Alkaline)
IP Rating:	IP54
Operating Temperature Range:	-10 ~50
Storage Temperature Range:	-20 ~60

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

(1) Sound output   (2) Front LCD   (3) LED Display
(4) Keypad   (5) Bubble Vial
(6) Reception Window   (7) Captive Screw Thread
(8) 1/4 insert   (9) Battery cover
(10) Back LCD

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

Battery Power – Solid
Approximate Battery Life as Shown
Battery Power Low – (Blinking)
Battery needs to be changed
Laser strike high. Move the Detector the Direction Shown (Down).
Laser strike on level.
Laser strike low. Move the Detector the Direction Shown (Up).

High Sensitivity   Normal Sensitivity
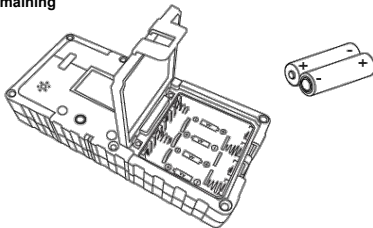Low Sensitivity   Lowest Sensitivity

Batteries and Power

Battery Installation/Removal

1. Open Battery Cover.

2. Install new batteries correctly. 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 same capacity. Do not use a combination of batteries with different capacities remaining
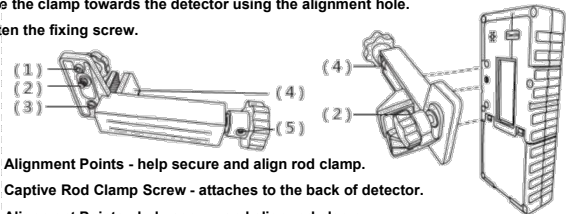
Rod Clamp

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.
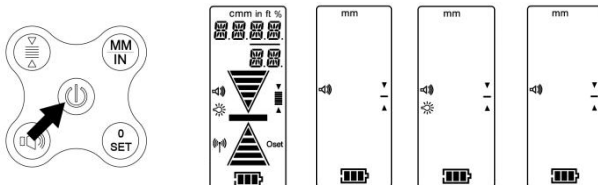
Tighten the fixing screw.

(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).
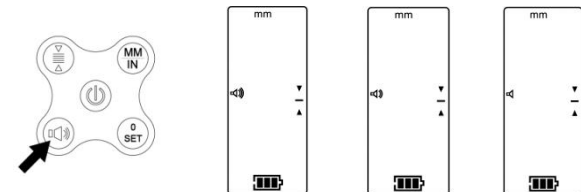3. Press and hold for ≥3 seconds to turn detector OFF.

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 turn OFF after 10 minutes of not detecting a laser beam and no operation.

Speaker Type

Sound High -----

Sound Low ------Voice

Sound ------Mute

When powered ON, Buzzer type is setting ON by default.