

Laser Level (TL240M3D)



Congratulations on your choice of this laser level. For the purpose of long-term use of this instrument, we suggest your reading this instruction manual carefully before using it.

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1. Features and Functions

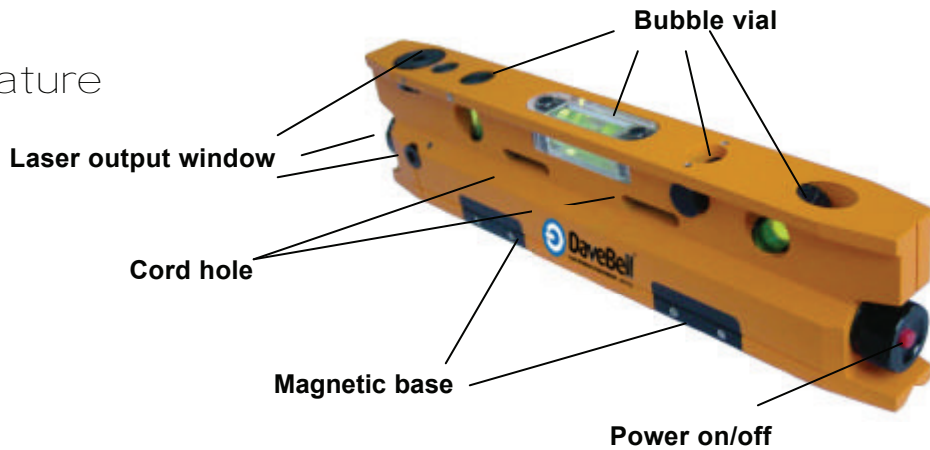
- * Simultaneously project three laser dots that square to each other
- * Leveling vials are available in four directions, i.e. 45° , 90° , 180° and lateral
- * Magnetic base can be firmly attached onto the metallic surfaces or pipelines
- * Able to work with the camera tripod
- * Removable base plate can make horizontal leveling more convenient

2. User Safety

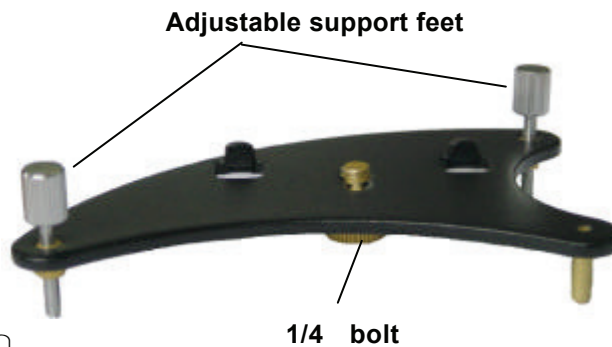
- * This instrument accords with the safety classification standards of laser radiation
- * Obvious safety symbols are available near laser output window
- * Do not look directly at the laser beam
- * Do not disassemble the instrument or attempt to perform any internal servicing. Repairs and servicing are to be performed only by authorized service centers.



3. Nomenclature



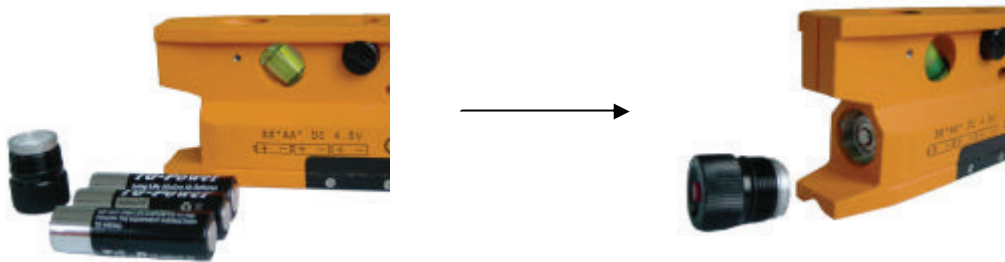
Tripodic Base Nomenclature



4. Operation Instruction

4.1 Battery Installation

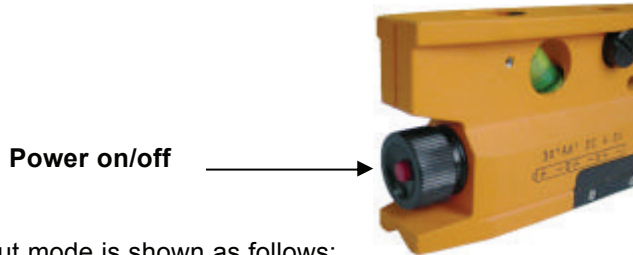
The instrument can work with 3 x AA batteries.



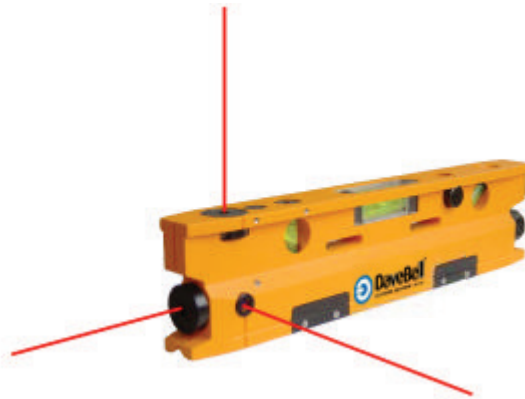
As shown in the figure, screw off the battery door, and insert 3 x AA alkaline batteries according to the polarity direction, and then snap the battery door back.

4.2 Power on

With the press of red power-on/off key, the instrument will simultaneously project 3 laser dots through laser output windows, and with one more press of power-on/off key, the laser dots will go out. Obviously dim laser dot means it is time for replacing the weak batteries.

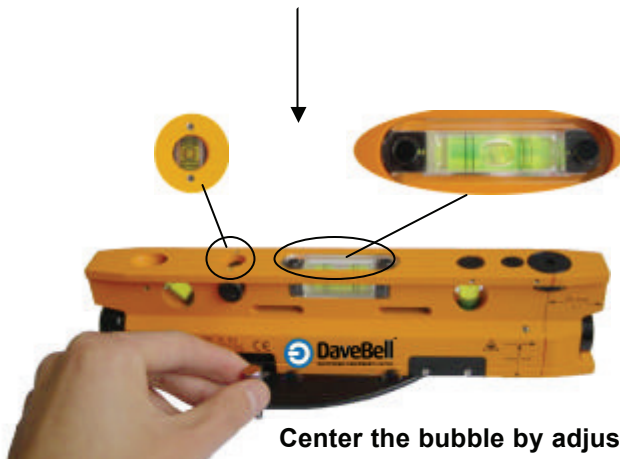


Laser output mode is shown as follows:



4.3 Horizontal Usage

Connect the laser level with the tripodic base

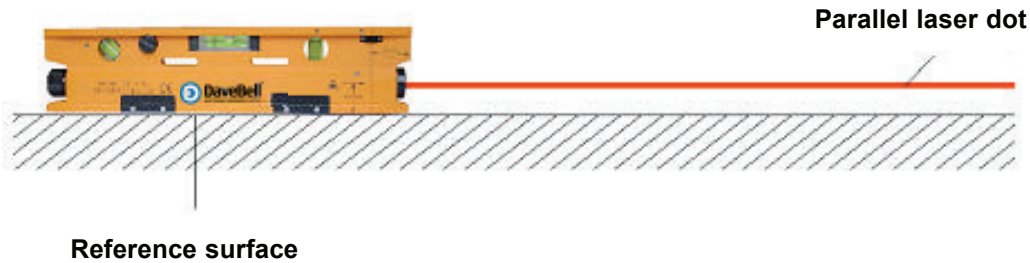


Center the bubble by adjusting the support feet

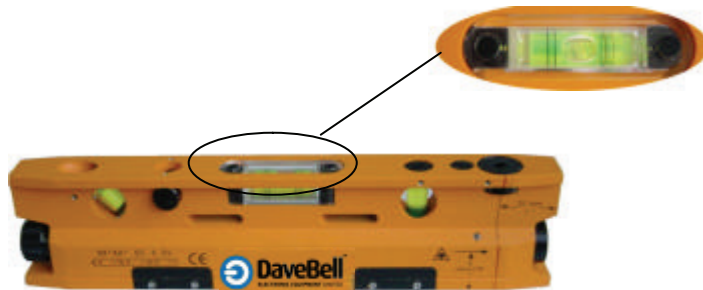
Adjust the tripodic support feet to center the bubble, and now the laser level lies in one certain horizontal plane.

5. Application Methods

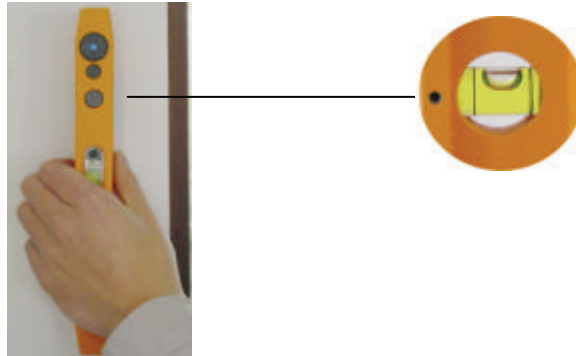
5.1 Project horizontal laser dot



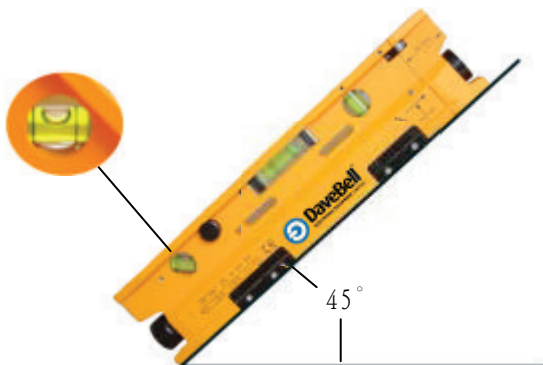
5.2 Horizontal bubble vial centering means the base of instrument and the laser beam both horizontal.



5.3 Vertical bubble vial centering means the base of instrument and the laser beam both vertical.



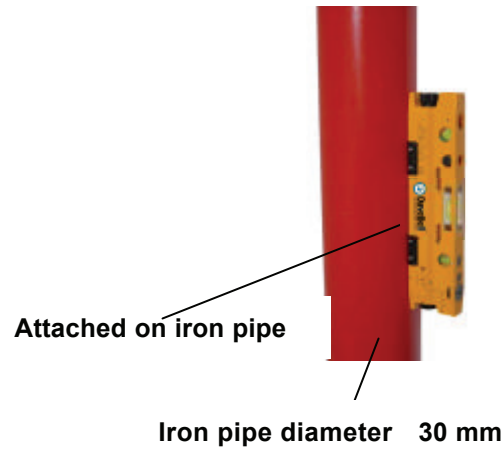
5.4 45° bubble vial centering means the base of instrument and the laser beam both 45° relative to horizontal plane.



5.5 Magnetic base usage

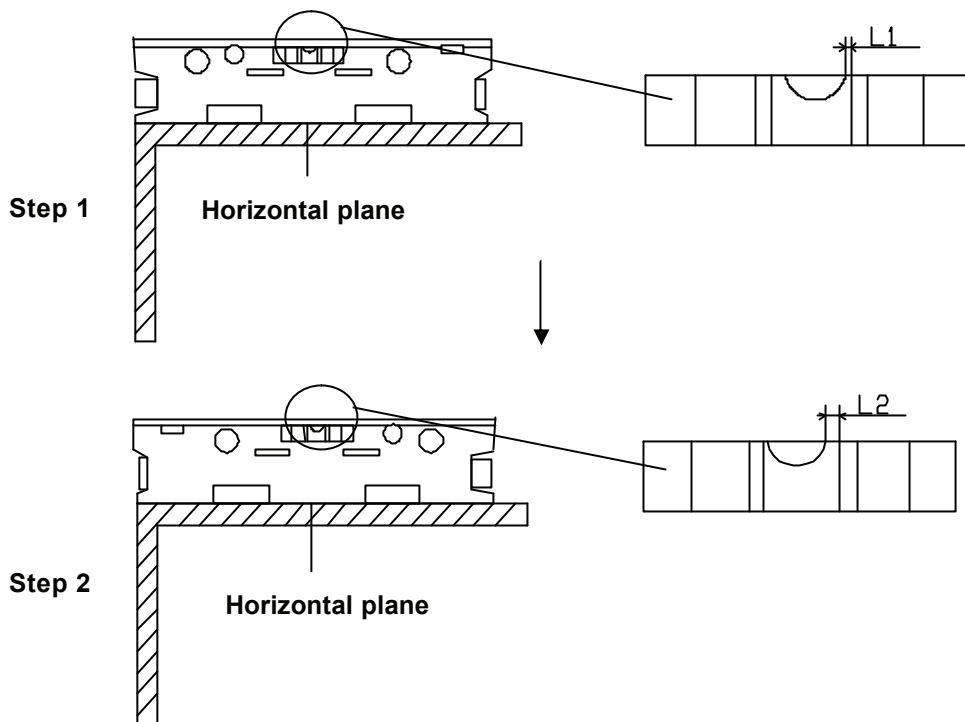


Attached on iron cabinet

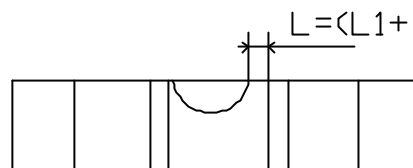


5.6 Horizontal bubble vial check

Put the laser level on a smooth and horizontal plane, like glass table board, and then check according to steps as follows:

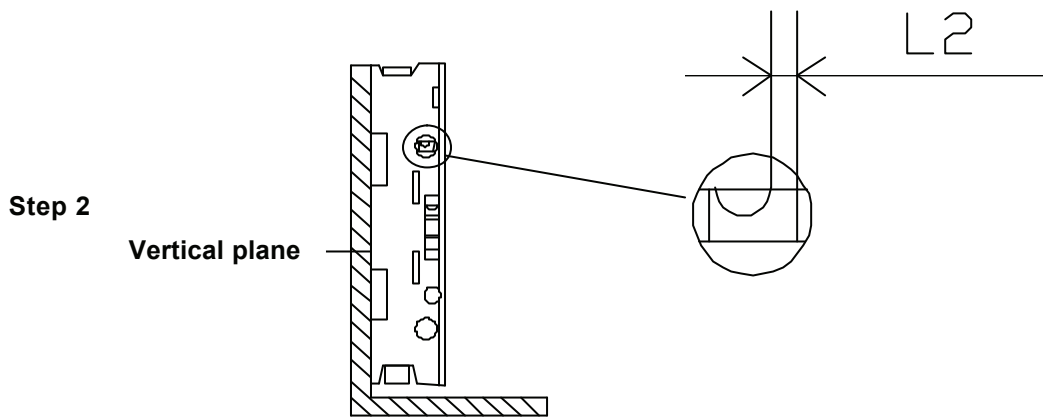
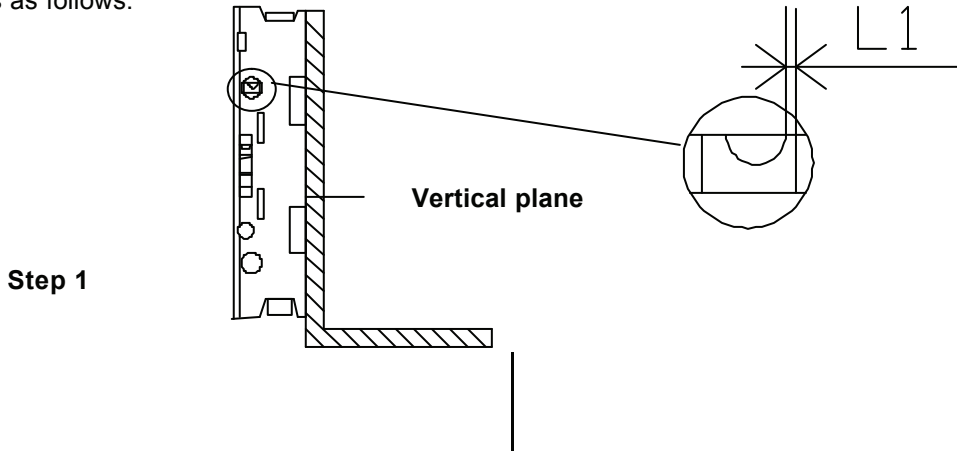


If the laser level is in horizontal, the bubble vial position should be as follows:

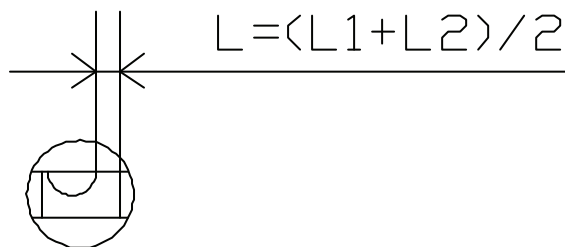


5.7 Vertical bubble vial check

Put the laser level on a smooth and vertical plane, like fixed and firm window glass, and then check according to steps as follows:



If the laser level is in vertical, the bubble vial position should be as follows:



6. Technical Specification

- * Laser wavelength: 650nm /635nm
- * Laser class: class II/III
- * Horizontal accuracy: $\pm 0.4\text{mm/m}$
- * Power: 3 x AA batteries
- * Working temperature: $-10^{\circ}\text{C} \sim 40^{\circ}\text{C}$
- * Size: $242 \times 56 \times 25.4\text{mm}$
- * Weight: 0.75 Kg

7. Maintenance

- * As a precision instrument, it should be carefully operated and properly preserved, and any violent shock or falling will possibly result in the damage of instrument.
- * Do not attempt to disassemble the instrument, and the unprofessional disassembly will result in the damage of instrument.
- * Take the batteries out when the instrument is not in use for a long time, and keep the instrument in the carrying case when it is unused.

