

Instruction Manual LA (vertical type)

DIGITAL LENGTH METER

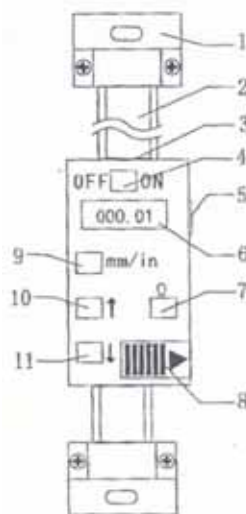


Model: LA

Specifications

Measuring Range: 0-150 mm/ 0~6"
Resolution: 0.1 mm/0.01"
Max. Measuring Speed: 1.5 m/s
System: Non-contact linear CAP
Power: one 1.5V silver-oxide button cell
(life: 1 year in continuous operation)
Working Temperature: 0° up to 40°C
Storage Temperature: -20° up to +60°C
Humidity allowed: ≤ 80%



Structure



1. Bracket
2. Scale
3. Slider
4. ON/OFF Key

5. Data output port
6. LCD Display
7. Zero- Key
8. Battery/Battery cover
9. mm/inch Key
10. Upper presetting Key
11. Lower presetting key

Functions

1. Power switch: Power on/ Power off
2. mm/ inch interchange: This button has to be pressed to choose the metric or the inch system alternatively.
3. Zero-setting: After power is switched on and this button is pressed, the display will be set back to Zero.
4. Preset buttons  . If these buttons are pressed, the display will decrease or increase. It has to be released, if the number to be preset is reached.

Battery replacement:

- a) The frame cover has to be unscrewed
- b) The battery cover has to be taken off and the cell, with the positive side facing out, has to be replaced.
- c) The cover has to be put on again.

Maintenance:

- a) The working faces have to be kept clean and dry. Prevent liquids from getting into the frame lest, because the electronics might be damaged. In case that liquids have got in, the frame has to be taken apart and dried up under 60°C.
- b) The scale body has to be cleaned with a soft fabric or liquid sink soap. Do not use petroleum based lacquer thinner, industrial alcohol or petroleum spirits. Organic solutions are not allowed.
- c) Never apply power pressure on any part of the scale lest it damages the housing.

Fixing Instructions

- a) Check to see if there has been any damage to the scale unit. If so, please contact our company immediately.
- b) At least 50 mm safety space should be left for the sensor when the working (moving) part reaches its limits. The screws at the ends have to be fixed in the way that the sensor won't be damaged by the working part going beyond its limits.
- c) One end has to be fixed while the other one is kept floating (moveable). The working part has to be moved several times and the end positions of the scale have to be adjusted (or gaskets have to be put on) until the direction of the working part is parallel to the one of the scale.
- d) The screws have to be fastened on both ends and the connector. Parallelism has to be maintained. The connector has to be kept from running when in operation.

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Troubleshooting

Troubles	Possible Causes	Solutions
Flashing digits	Low voltage	Replace the battery cell
Locked digits	Haphazard memory	Take the battery cell out and put it back after 30 secs.
No display	1.Poor contact of the battery 2.Low voltage	1.Better the contact 2.Replace the battery cell
Instrument error over limit	Dirt in the sensor	Remove the frame and take the slider into parts. Apply pressurized air ($\leq 5\text{kg/cm}^2$) on the inside and clean it with aeropetrol.
Only 'oooo' displayed	short circuit of zero-setting spring and slider signal source	Remove the frame and adjust the spring.
Function buttons out of order	distortion of springs from over-pressing	ditto