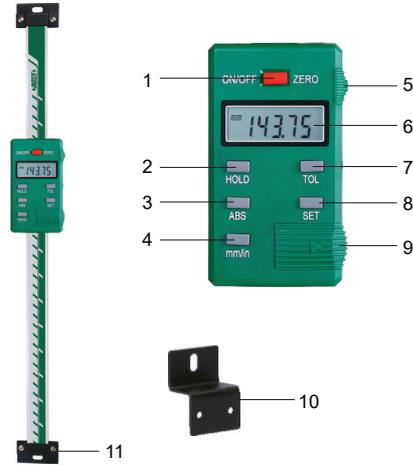


**Caution: Prevent liquid from getting into scale to damage electronics.**



Resolution: 0.01mm/0.0005"  
Battery: LR44

- 1-'ON/OFF ZERO' button
- 2-'HOLD' button
- 3-'ABS' button
- 4-'mm/in' button
- 5-Output
- 6-LCD display
- 7-'TOL' button
- 8-'SET' button
- 9-Battery cover
- 10-Bracket
- 11-Fixing end

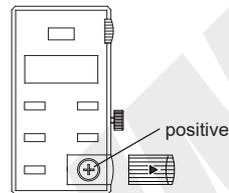


fig.1

1. Put battery into scale, the positive side of battery should face out (fig.1).
2. Buttons

---'HOLD' button

Press it to keep the reading. Press it again to release.

---'mm/in' button

Press it for metric and inch reading conversion.

---'ABS' button

This button is for absolute and relative measuring mode conversion. The normal mode is absolute measuring mode. Press it to enter relative measuring mode at any point (this point is called 'relative zero point'), "INC" appears. Press 'ON/OFF ZERO' to set zero. In this mode, the reading is the distance to the relative zero point. Press the button again to return back to absolute measuring mode.

---'ON/OFF ZERO' button

Press it to turn on display. Long press it to turn off display. Short press it to get the preset value at absolute measuring mode, or to set zero at relative measuring mode.

---'SET' button

Press it to enter set mode, 'SET' blinks. Keep pressing it to position the digit, the digit blinks when positioned. Release the button if you want to change the digit. Short press the button to change the digit from 1 to 9. Keep pressing the button to the next digit. After setting, keep pressing it until 'SET' blinks, short press it to exit set mode.

At absolute measuring mode, press 'ON/OFF ZERO' to get the preset value at any point.

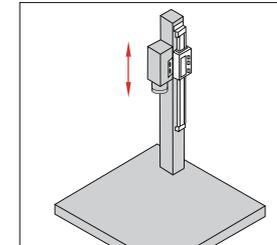
---'TOL' button

Press it to enter tolerance set mode, '▲' appears and 'SET' blinks. Set the upper limit value same as the above set mode. After setting the upper limit, keep pressing it until 'SET' blinks while '▲' is on the display. Press it, '▼' appears and "SET" blinks, set the lower limit value as above. Press the button to enter tolerance measurement mode.

During tolerance measurement mode, '▲' appears if the reading is larger than the upper limit, '▼' appears if the reading is less than the lower limit, 'OK' appears if the reading is within the tolerance.

3. During measurement, connect vernier with mobile device through bracket that mounted on the back. Then fix scale onto mobile device through fixing ends. The scale should be parallel to the movement of the device. Make sure that the movement is smooth, then lock the scale.

example of application



4. Optional data output cable (code 7302-SPC7).

5. One battery will last for one year of continuous use. If there is nothing on display or digits flash, battery voltage is too low, please replace battery. If digits do not change when buttons are pressed, take out battery and put it back after 1 minute. Remove battery if scale is not to be used for a long period of time.

6. Working temperature is 0-40°C. Do not put scale near strong magnetic field. Keep scale dry. Prevent liquid from getting into scale to damage electronics. Do not apply voltage on scale like engraving with electric pen.