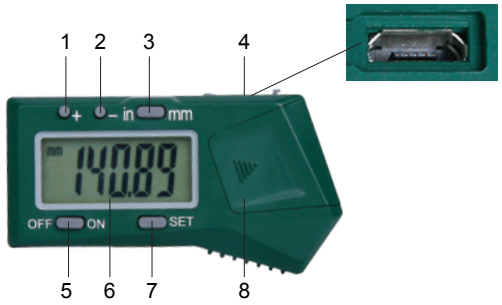
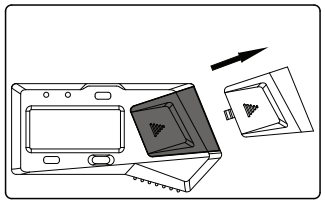
OPERATION INSTRUCTION

Resolution: 0.01mm/0.0005″

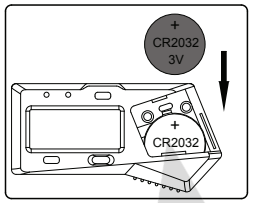


1-'+' button
2-'-' button
3-'in/mm' button
4-USB output
5-'OFF/ON' button
6-LCD display
7-'SET' button
8-Battery cover

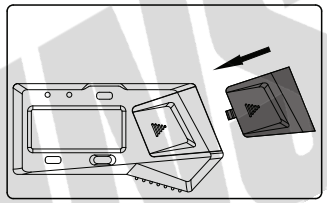
1. The caliper is not waterproof. The reading may not be correct if there is coolant or other liquid on caliper.
2. Install battery:



Step 1:
Remove the battery cover



Step 2:
Put CR2032 into battery house, the positive side of battery (+) should face out



Step 3:
Close the battery cover

3. Buttons:
'in/mm' --- inch and mm conversion
'OFF/ON' --- turn off/on
'SET', '+' , '-'
--- long press 'SET' >3s to preset initial reading, 'set' flickers on the screen, press '+' or '-' button to change the value, short press 'SET' to exit.
--- short press 'SET' to show the preset value

Set preset value:
1) For internal measurement, if the size L is unknown, it is necessary to set. Aftersetting, you can get a direct reading, without adding L (fig.1).

Step 1: Find a micrometer, set it at a number (for example, 25mm) and lock it (fig.2).
Step 2: Press 'SET', '+' and '-' buttons to set 25mm on caliper. After setting, the initial reading will be 25mm instead of zero, when 'SET' is pressed anytime (fig.3).
Step 3: Put caliper into the micrometer, press 'SET', the reading is 25mm (fig.4).

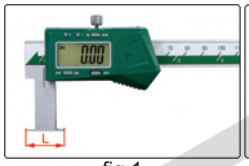


fig.1

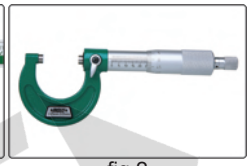


fig.2

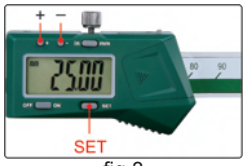


fig.3

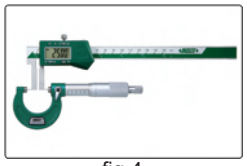


fig.4

2) For external measurement, if the tips are spherical, it is difficult to set zero because the two tips may not be aligned (fig.5).
Step 1: Find a gage block (for example, 10mm) (fig.6).
Step 2: Press 'SET', '+' and '- ' buttons to set 10mm on caliper. After setting, the initial reading will be 10mm instead of zero, when SET is pressed anytime (fig.7).
Step 3: Hold the gage block, press 'SET', the reading is 10mm (fig.8).

fig.5

fig.6

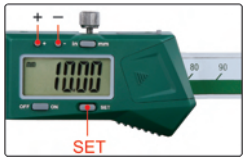


fig.7

fig.8

4. To get accurate measurement, it is necessary to control the force. During measurement, please always apply constant and proper force on the caliper.
5. Automatic power off in about five minutes. Press 'OFF/ON' button or move the digital unit to turn on display.
6. Optional cable: series 7302 (data output cable), series 7305 (RS232 data output cable), series 7306 (wireless data transfer system).
7. One battery can last for one year use. When the battery is running out, display will become weak, abnormal reading or other phenomena will appear when moving the digital unit, please replace battery. If caliper is not be used for more than 3 months, please remove the battery. Otherwise, liquid may leak from the battery and damage the caliper.
8. If digits do not change when buttons are pressed, take out battery and put it back after 1 minute.
9. Working temperature is 0~40°C/32~104°F, relative humidity should not exceed 80%.

MN-INS-C02-C/E
V2

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