Resolution: 0.01mm/0.0005″
Accuracy: ±0.02mm
(Range: 0~±20mm/0~±0.8″)

1-Base plane
2-Measuring needle
3-Locking screw
4-'in/mm' button
5-USB output
6-LCD display
7-'OFF/ON' button
8-'ZERO' button

1146-20A

1146-20B
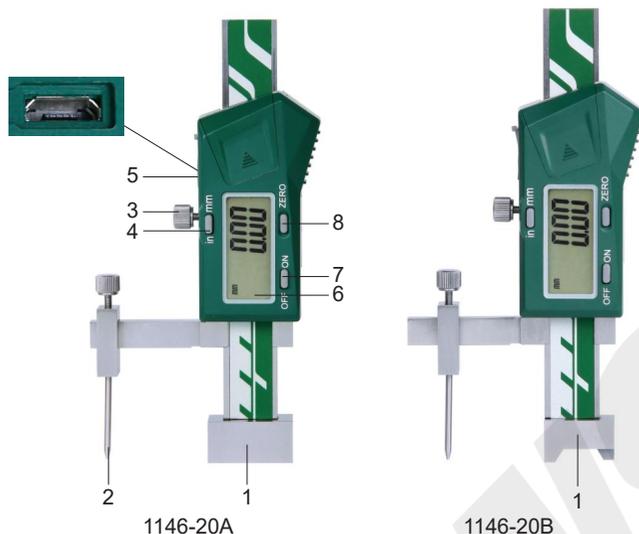
1. The gage is not waterproof. The reading may not be correct if there is coolant or other liquid on caliper

2. Install battery:
   ---Remove the battery cover (fig.1)
   ---Put CR2032 battery into battery house, the positive side of battery (+) should face out
   ---Close the battery cover

fig.1

fig.2

fig.3
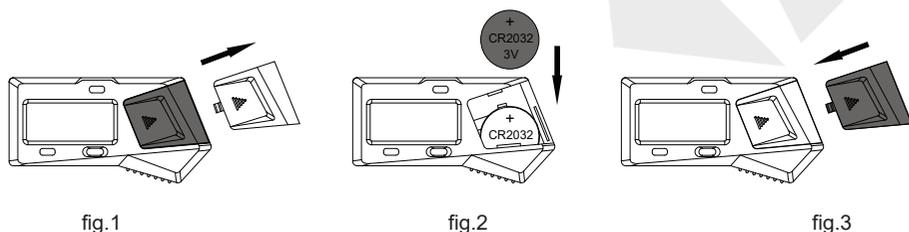
3. Buttons:
   ---'in/mm' is for inch and mm conversion
   ---'OFF/ON' is to turn on/off
   ---'ZERO' is to set zero

4. It is necessary to set zero on flat surface before measuring. Make base plane well contact with flat surface, keep pressing the base. Gently pull the beam down to let measuring needle contact with flat surface, lock the locking screw and press "ZERO" button to set zero. Gage should be checked regularly to make sure that it can be properly set zero.

5. Application

1146-20A

1146-20B
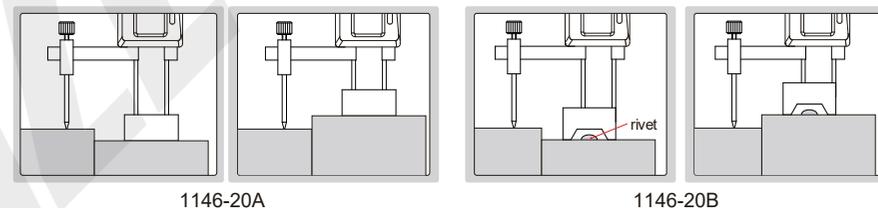
6. Please pay attention to follow two points during measurement:
   ---Make sure there are no dust, cutting chips or other debris on the measuring faces and workpiece surface, otherwise, the measurement may be incorrect.
   ---Measuring face and base plane should be protected from being scrached or damaged. It is necessary to press the base steady and apply constant and proper force to pull the beam.

7. Automatic power off in about five minutes. Press 'OFF/ON' button or move the digital unit to turn on display.

8. Optional accessories: SPC cable (code 7306-20, 7302-SPC5A/SPC5B, 7305-SPC2A).

9. One battery can last for one year use. When the battery is running out, the display will become weak, abnormal reading or other phenomena will appear when moving the digital unit, please replace battery. If gage is not be used for more than 3 months, please remove the battery. Otherwise, liquid may leak from the battery and damage the caliper.

10. If digits do not change when buttons are pressed, take out battery and put it back after 1 minute.

11. Working temperature is 0-40°C/32-104°F, relative humidity should not exceed 80%.

MN-1146-E

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