OPERATION INSTRUCTION
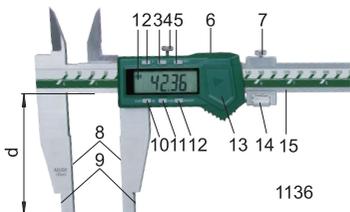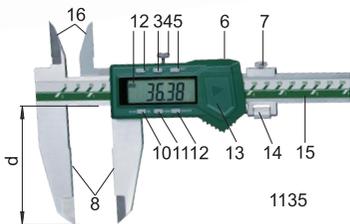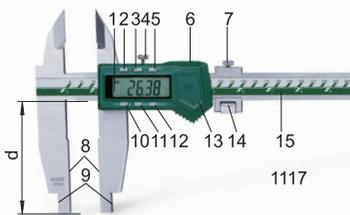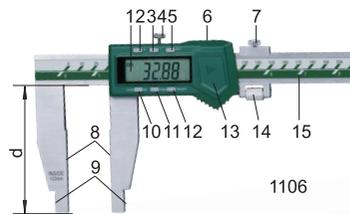## Digital Caliper

Attention: This caliper is not waterproof. If there is coolant liquid on the sticker,the reading may be incorrect. Please clean the sticker with dry cloths.If the problem is not solved, please use WD40 to clean the sticker.Do not measure the Workpiece if it is rotating, this is dangerous and measuring faces will be worn out

1106

1117

1135

1136

Resolution:0.01mm/0.0005"

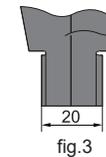| Range	d	Accuracy
0-300mm/0-12"	100mm	±0.05mm
0-300mm/0-12"	150mm	±0.05mm
0-450mm/0-18"	100mm	±0.05mm
0-500mm/0-20"	100mm	±0.05mm
0-500mm/0-20"	150mm	±0.06mm
0-500mm/0-20"	200mm	±0.06mm
0-500mm/0-20"	300mm	±0.08mm
0-600mm/0-24"	100mm	±0.05mm
0-600mm/0-24"	150mm	±0.06mm
0-600mm/0-24"	200mm	±0.06mm
0-800mm/0-32"	150mm	±0.07mm
0-1000mm/0-40"	150mm	±0.08mm
0-1000mm/0-40"	200mm	±0.08mm
0-1000mm/0-40"	300mm	±0.10mm
0-1500mm/0-60"	150mm	±0.11mm
0-1500mm/0-60"	200mm	±0.12mm
0-2000mm/0-80"	150mm	±0.14mm
0-2000mm/0-80"	200mm	±0.14mm
0-2500mm/0-100"	150mm	±0.22mm
0-3000mm/0-120"	150mm	±0.26mm

1-LCD display
2-"+" button
3-"-" button
4-Locking screw
5-"SET" button
6-Data output
7-Fine adjustment locking screw
8-External measuring faces

9-Circular internal measuring faces
10-"mm/in"button
11-"ABS"button
12-"ON/OFF"button
13-Battery cover
14-Fine adjustment wheel
15-Beam
16-Knife-edge internal measuring faces

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

fig.1   fig.2

2. Buttons:
   'mm/in'--short press(<2 sec.): for inch and mm conversion
   'ABS'--for absolute and relative measuring mode conversion. The normal mode is absolute measuring mode. Short press the button to enter relative measuring mode at any point (this point is called 'relative zero point'),'INC' appears and the reading is 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'--short press: to turn on/off
   '+','-,'SET'--set initial reading(default inital reading is zero). Long press(>2 sec.)'SET' button and 'SET' blinks, Long press'+' or '-' button to increase or decrease the reading, short press 'SET' button to finish setting, 'SET' disappears. During absolute measurement, press 'SET' button to get the preset value.

3. Please clean the measuring faces with soft cloth, then close the external jaws and press 'SET' button to set zero(If initial reading has been setted, the intial reading will be dispalyed). Caliper should be checked regularly to make sure that it is properly zero set.

4.To get accurate measurement,it is necessary to adopt consistent measurement position and control the force.When the measuring faces is close to the workpiece, tighten the fine adjustment locking screw and gently rotate fine adjustment wheel to make the measuring jaws "hold" the workpiece and can still "slide" on the workpiece.

5. The correction(fig.3, except series 1135)"INSIDE +20mm" of intemal measurement is on the obverse side of measuring jaws. When using the circular internal measuring faces to measure, the measurement should be the sum of the reading and the correction. If the correction has been setted as initial reading, the measurement will equal the reading.

6. Optional accessory:data output cable (code 7302-SPC5A, 7306-20, 7315-20,7305-SPC2A,7305-A01).

7. One battery can last for one year use. 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 bultons 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%.

20

fig.3

MN-INS-C05-E

V4