DIGITAL THREE POINT INTERNAL MICROMETER

RANGE AND ACCURACY

Range (mm)	Accuracy (mm)	Reading (mm)
6-40	0.004	0.001
40-100	0.005	0.001
100-300	0.008	0.001
300-350	0.010	0.001

WHAT'S INCLUDED

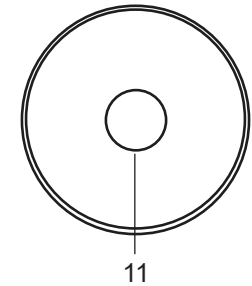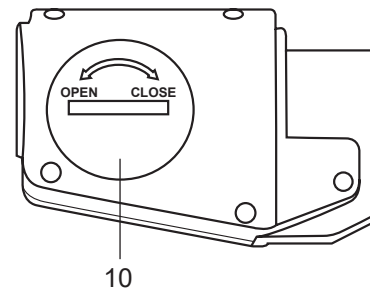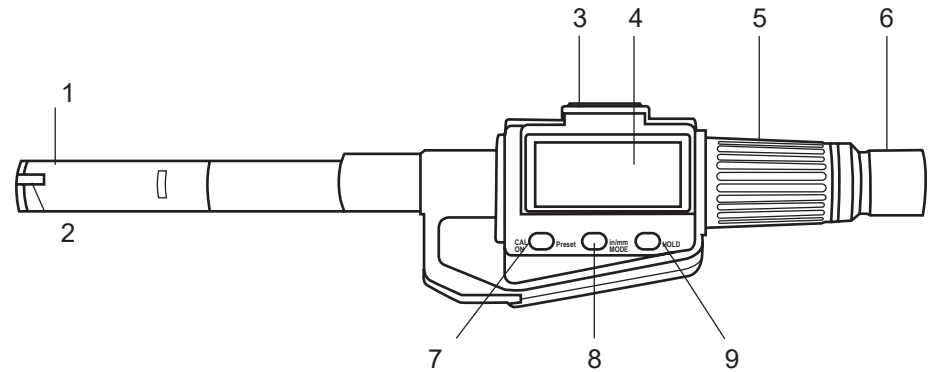| Measuring Range (mm)	Meas. Head	Range (mm)	Set Ring Gage
6-12	3	6-8, 8-10, 10-12	Ø8
11-20	3	11-14, 14-17, 17-20	Ø11, Ø17
12-20	2	12-16, 16-20	Ø16
20-40	4	20-25, 25-30, 30-35, 35-40	Ø25, Ø35
20-50	4	20-25, 25-30, 30-40, 40-50	Ø25, Ø40
40-100	6	40-50, 50-60, 60-70, 70-80, 80-90, 90-100	Ø50, Ø70, Ø90
50-100	4	50-63, 62-75, 75-88, 87-100	Ø62, Ø87
100-200	4	100-125, 125-150, 150-175, 175-200	-
200-350	6	200-225, 225-250, 250-275, 275-300, 300-325, 325-350	-

PRECAUTIONS

1) Do not disassemble and drop the instrument
2) Keep the instrument clean and dry
3) Use ratchet stop to keep precision measuring

*Notice: Once reaching the maximum or minimum range of the measuring range, please do NOT over turn the micrometer head to prevent damage on internal lead screw

TROUBLESHOOTING

If...	That means...	Try...
Display Blinks	Low battery power	Changing the battery
No display	Auto-off is active	Moving the spindle to wake up
	Low battery power	Changing the battery
	Bad contact	Clean the contact of the battery
No change on display	Electronic Error	Remove the battery and put it back after 1 minute

1. **Measuring Head**
2. **Measuring Tip**
3. **Data Output**
4. **Display**
5. **Thimble**
6. **Ratchet Stop**
7. **CAL/ON/Preset Button**
8. **in/mm/MODE Button**
9. **Hold Button**
10. **Battery Cover**
11. **Setting Ring Guage**

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BUTTON FUNCTION

1) ON/OFF...SET: Press to power on and off, press and hold to set to preset mode*

2) HOLD: Press to hold the current value

3) mm/in...0: Press to toggle the display between mm to in, press and hold to set the display to 0

*The internal micrometer will automatically power off after 5 minutes and retain current position and preset value for 72 hours. After 72 hours, the preset value needs to be reset according to the master ring gage.

USING THE EXTENTION
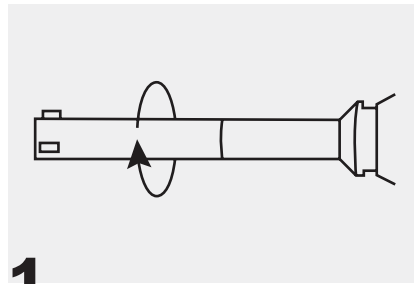

1 Unlock the measuring head with the spanner.
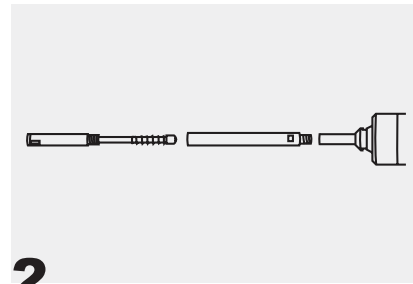
2 Set the extension between the measuring head and the sleeve. Adjust the micrometer after setting the extension.

SETTING THE PRESET VALUE

1) Press and hold the ON/OFF...SET button until a "P" appears and the first digit starts blinking, then release

2) To move to the next digit, press the ON/OFF...SET button

3) Press the HOLD button to adjust the flashing digit upwards from 0 to 9

4) Press the in/mm...0 button to adjust the flashing digit downwards from 9 to 0

5) When you are done setting the preset value, press and hold the ON/OFF...SET button again to exit the preset mode
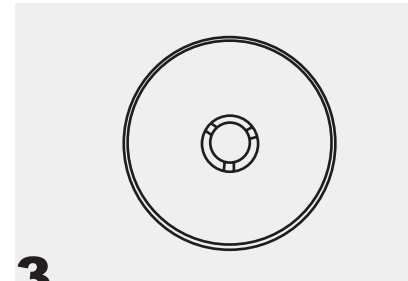
CALIBRATION
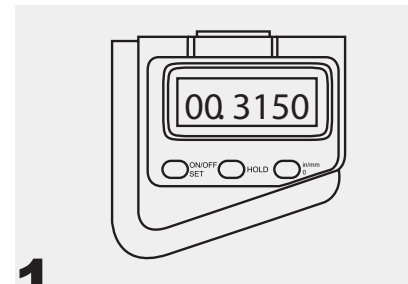
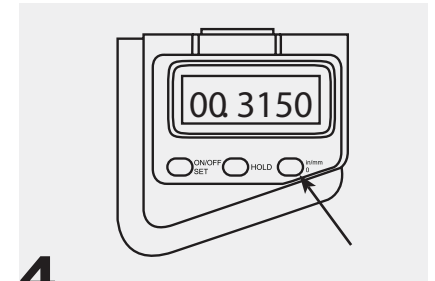**1** Before beginning the calibration process, follow the steps above to set your preset value to the diameter of the supplied ring gage.
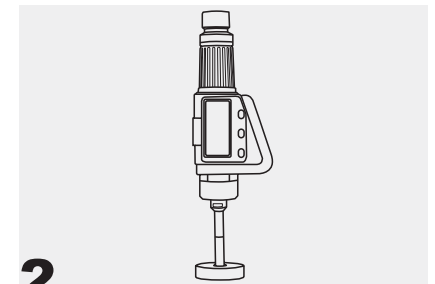
2 Once the ring gage diameter is set in the Preset mode, place the internal micrometer into the ring gage.

3 Ensure repeatable contact with the internal bore surface.

4 While the micrometer is in the ring gage, press and hold the in/mm...0 button to set the display to the preset value.

SPECIFICATIONS

Resolution:...0.001mm/0.00005"
Repeat Accuracy: 0.001mm
Rachet Force: ....25 - 40 N
Measuring System:...Capacitive
Operation Temperature: ....0°C~40°C
Storage Temperature: ....-20°C~60°C
Relative Humidity: ....<80%
Battery: ....3 V, CR2032