# ✦INSIZE✦

## OPERATION INSTRUCTION
### Digital Micrometer/Snap Gage

Note: When setting the initial value, the sleeve needs to be pre-pressurized by larger than 1/3 turn to ensure that the measuring surface is in full contact.

Carbide spindle and anvil
One turn of sleeve makes 10mm spindle feed
Press the fork, the spindle retracts 3mm
Adjustable resolution:0.0001mm/0.00001"

With data interface (optional wireless transmitter code 7315-3350, receiver is needed)

| Code | Range | Accuracy | Repeatability | Measuring faces | |
|------|-------|----------|---------------|-----------------|---|
| | | | | Flatness | Parallelism |
| **3359-25** | 0-25mm/0-1" | 0.5μm | 0.3μm | 0.3μm | 0.6μm |

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is needed)

| Code | Range | Accuracy | Repeatability | Measuring faces | |
|------|-------|----------|---------------|-----------------|---|
| | | | | Flatness | Parallelism |
| **3359-25AWL** | 0-25mm/0-1" | 0.5μm | 0.3μm | 0.3μm | 0.6μm |



1-Anvil
2-Carbide measuring face
3-Spindle
4-Data output interface
5-LCD display
6-'ON/OFF' button
7-'ZERO' button
8-Plate
9-'M' button
10-'HOLD' button
11-'DATA' button
12-Spindle retract fork
13-Sleeve

1. Power: rechargeable battery, for 24 hours continuous working. Please use a dedicated charger.

2. Buttons:
ON/OFF:Power on/power off
M:Short press to switch the default mode /P0/P1/P2/P3/P4/P5/P6/P7/P8/P9

Default base function (P0):
P0 is displayed on the display
---Short press 'ZERO'  button to zero
---Short press 'DATA' button, data transmission
---Short press 'HOLD' button to lock or unlock the display. In the locked state, the  display shows the 'HOLD', 'DATA' and 'ON/OFF' buttons are effective, and the 'ZERO' and 'M' buttons are invalid.

Extreme value measurement (P1):
P1 is displayed on the display
---Short press 'ZERO' button,can switch the maximum, minimum and maximum and minimum difference measurement states.
---Short press 'HOLD' button, Start/end extreme value measurement
---Short press 'DATA' button, data transmission

Data preset (P2):
P2 is displayed on the display
---Short press 'ZERO' button to change digits
---Short press 'DATA' button to change the value
---Short press 'HOLD' button to switch positive and negative
---Short press 'M' button to save the current setting data and enter the next mode

Tolerance (P3-P5):
Upper tolerance setting (P3):
P3 is displayed on the display
---Short press 'ZERO' button to change digits
---Short press 'DATA' button to change the value
---Short press 'HOLD' button to switch positive and negative
---Short press 'M' button to save the current setting data and enter the next mode

Tolerance basic size setting (P4):
P4 is displayed on the display
---Short press 'ZERO' button to change digits
---Short press 'DATA' button to change the value
---Short press 'M' button to save the current setting data and enter the next mode

Lower tolerance setting (P5):
P5 is displayed on the display
---Short press 'ZERO' button to change digits
---Short press 'DATA' button to change the value
---Short press 'HOLD' button to switch positive and negative
---Short press 'M' button to save the current setting data and enter the next mode

Metric and inch switching (P6):
P6 is displayed on the display
---Short press 'ZERO' button, mm and inch conversion
---Short press 'M' button to save the current setting data and enter the next mode

Power off time (P7):
P7 is displayed on the display
---Short press 'ZERO' button to set the automatic power off. The display shows 00:01, ten minute automatic power off if there is no operation. The display hows 00:00 means no automatic power off
---Short press 'M' button to save the current setting data and enter the next mode

Analog pointer set to zero (P8):
P8 is displayed on the display
---Short press 'ZERO'button to zero the current analog pointer
---Short press 'M' button to save the current setting data and enter the next mode

Switch direction (P9):
P9 is displayed on the display
---Short press 'ZERO' button to switch direction,▲ means that the counting direction is positive when the spindle is moved right, and ▼ means that the counting direction is negative when the spindle is moved right.
---Short press 'M' button to save the current setting data and enter the next mode

Reset function
---Short press 'ZERO' button and 'M' button at the same time to restore the factory settings

3.The display shows ERR01, means the data decoding is abnormal;
   The display shows ERR02, means the upper and lower tolerance settings are abnormal.
   The display shows ERR03, means the data exceeds the maximum and minimum display limits.
   Note: The ERR02 and ERR03 error indications can be quickly released by the reset function.
4.Please clean the measuring faces and setting standard ends, then set initial reading. Micrometer should be checked regularly to make sure that it is properly initial reading set.
   Note: When setting the initial value, the sleeve needs to be pre-pressurized by larger than 1/3 turn to ensure that the measuring surface is in full contact.

5. Measurement: The limit function can be used when inspecting batches of workpieces
   ---Adjust the gage to the appropriate position according to the tested workpiece
   ---Press the fork, place the measured workpiece between the two measuring surfaces of the gage, loosen the fork, and slightly shake the measured workpiece so that the workpiece is in full contact with the two measuring surfaces of the gage
   ---Read measurement results
   ---After the reading is completed, press the fork to remove the workpiece

6. Prevent impact and water immersion.

7. After use, please oil the contact point.

MN-3359-E

V2

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