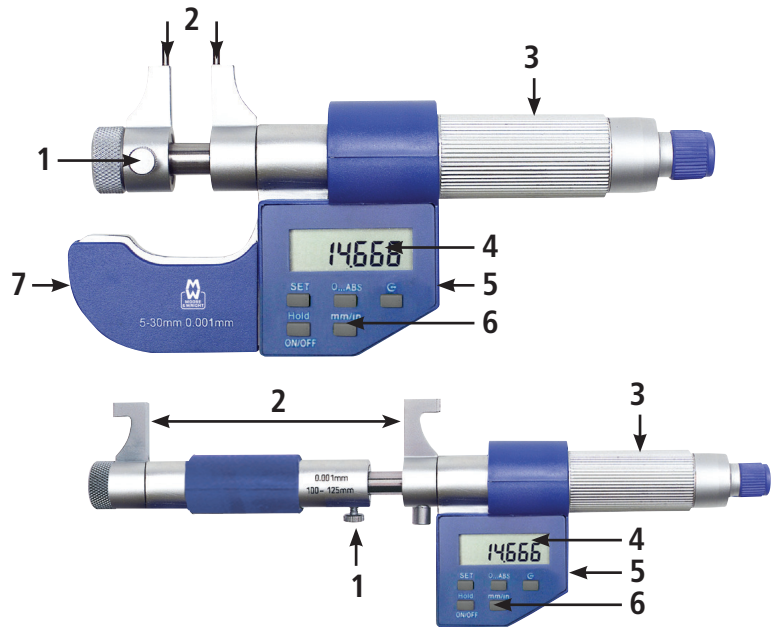


## Digitronic Caliper Type Inside Micrometer 280 Series

Please carefully review these instructions to ensure proper and accurate use of your new Digitronic Micrometer.

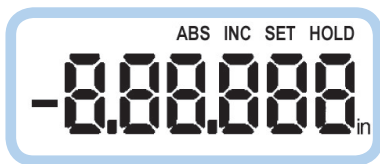
### Features

1. Locking screw
2. Anvils/pins
3. Thimble
4. LCD display
5. SPC output
6. Function keys
7. Frame



**Note:** For the 5-30mm model, if the jaws are closed together the spindle should be rotated in a CLOCKWISE direction to un-do them.

### LCD Display



- in: Inch measuring mode
- INC: Relative measuring mode
- ABS: Absolute measurement mode
- SET: Set value of setting master
- HOLD: Hold displayed value

### Operation

- Keys are pressed two ways to execute functions:
  1. Press and immediately release
  2. Press and hold for at least two seconds

### On/Off - HOLD Key

- Press and release: HOLD on / HOLD off
- Press and hold: POWER on/ POWER off

### mm/in

- Press and release: INCH (in) / METRIC (mm) conversion

### SET

- Press and release: Recalls value of setting master. Press again to apply this value

### ABS/INC - Unit Key

- Press and release: Switches from ABS to INC mode
- Press and hold: Switches from INC to ABS mode

### Data Output

In measuring mode, this is the data output key

- Press and release: The micrometer will output the displayed data
- Press and hold: The micrometer will output the displayed data continually until the button is pressed again



# DIGITRONIC MICROMETER INSTRUCTIONS

## Set and adjust the origin

- Set the origin
  1. Press "SET" key, "SET" flashes and origin is displayed
  2. Press "SET" key again, "SET" disappears and the displayed value is set to the origin

Rotating the spindle will not change the origin when "SET" is flashing

- Adjust the origin
  1. Rotate the thimble until the desired value is displayed (example 26.000). Press "HOLD" key to hold this value
  2. Press "SET" key, "SET" flashes and the displayed value is stored as the origin
  3. Press "SET" key again, "SET" disappears and this value is set to the origin

Rotating the spindle will not change the origin when "SET" is flashing

The origin will go back to the factory setting after replacing the battery

## Power

- If the micrometer is not used for five minutes the power will automatically shut off. Powering off the micrometer by pressing the "On/Off" — Zero key to save the battery when not in use is recommended
- Use a SR44 battery and replace the battery when the display begins to flash
- Remove the battery cap by turning it counterclockwise with a coin or the supplied wrench. Insert a new battery with (+) side up. Replace the battery cap by turning it clockwise

## Data Output

- The output interface is a RS-232C
- The micrometer can be attached to a PC's serial port by an SPC cable
- To attach the cable, remove the data output cap and insert the cable
- When not using the interface, always keep the data output cap in place

## Serial Port Information

- Baud rate: 1200 Kb/second
- Stop bits: 2
- Parity: none
- Data bits: 7

## General Specifications

- Measuring force: 5-10N
- Operating temperature: 0-40°C
- Storage temperature: -20-60°C

## Precautions

- Do not subject the instrument to blows or shock. Do not drop it or apply excessive force to the thimble
- Do not disassemble the instrument
- Do not press the keys with a pointed object
- Do not use or store the instrument under direct sunlight
- Avoid exposing the instrument to strong magnetic fields and high voltage
- Use a soft cloth to clean the instrument. Never use organic solvents such as acetone or benzene to clean
- Clean measuring faces before use
- If the instrument is to be stored or left unused for extended periods, remove the battery

## Troubleshooting

Problem(s)	Cause(s)	Solution(s)
Measuring data incorrect	1. Dirty measuring faces 2. Zero is incorrect	1. Clean measuring faces 2. Inspect and reset zero
No display on LCD	1. Battery position is incorrect 2. Battery is dead	1. Reset battery 2. Replace with new battery
1. Flickering display 2. Display is sporadic 3. Display remains dead	1. Weak battery 2. Weak battery 3. Battery position is incorrect	1. Replace battery 2. Replace battery 3. Reset battery
1. Display is blurry 2. Output data is incorrect	1. Weak battery 2. Weak battery	1. Replace with new battery 2. Replace with new battery