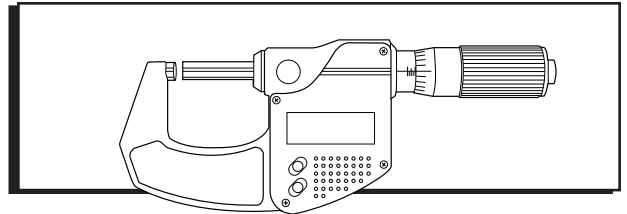


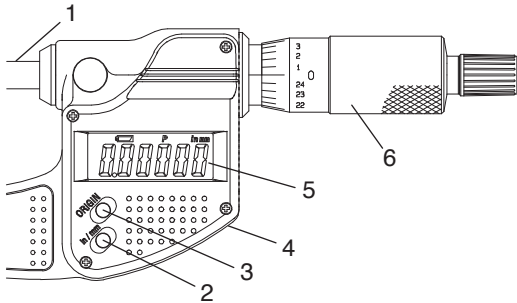
ULINE H-2780 MITUTOYO DIGITAL MICROMETER

1-800-295-5510
uline.com



OVERVIEW OF CONTROLS

CONTROLS



CONTROL PARTS

#	DESCRIPTION
1	Spindle
2	Inch/Millimeter Select Button
3	Origin Button
4	Battery Compartment Cover (at rear)
5	LCD Display
6	Thimble

SPECIFICATIONS

Measuring Range	0 to 25mm/0 to 1"
Resolution	0.001mm/0.00005"
Instrumental Error (68°F)	±2μm (Excluding the quantizing error)
Quantizing Error	±1 Count
Measuring Force	5 to 10N
Display	LCD (6 digits and a minus sign)
Power Supply	Silver Oxide Battery (SR44)
Battery Life	Approx. 2.4 Years
Operating Temperature Range	41° to 104°F
Storage Temperature Range	14° to 140°F
Standard Accessories	Wrench

SAFETY

SAFETY PRECAUTIONS

To ensure operator safety, use this instrument in conformance with the directions and specifications given in these instructions.



WARNING! The silver oxide battery used for this instrument contains an irritating substance. Should the liquid accidentally come into contact with eyes or skin, rinse with water immediately, then consult a physician. Should it get into the mouth, immediately rinse inside the mouth with water, then consult a physician.



WARNING! The tip of the contact point on this micrometer is sharp. Handle it with care, so as not to scratch yourself.

SAFETY CONTINUED



IMPORTANT! Do not disassemble. Do not modify this instrument. It may damage the instrument.

- Do not use and store the micrometer at sites where the temperature will change abruptly. Prior to use, thermally stabilize the micrometer at room temperature.
- Do not store the micrometer in a humid or dusty environment or use where the micrometer could be subjected to water and oil.
- Protect the micrometer from sudden impacts, including a drop.
- Always zero the micrometer prior to measurement.
- Wipe off dust, cutting chips, and moisture from the micrometer before and after use.
- To clean the micrometer, use a soft cloth soaked in a diluted neutral detergent. Do not use organic solvent (thinner, etc.). It may deform or damage the instrument.
- Do not grip the display. It may damage the micrometer.
- The spindle is designed so that it cannot be removed from the inner sleeve. Do not move it past the upper limit of the measuring range, as it may damage the micrometer.
- Do not use an electric engraving pen or other such devices on the micrometer. It may damage the micrometer.
- Do not charge or disassemble the battery. Doing so may cause a short circuit.
- If the micrometer is not in use for more than three months, remove the battery. The battery could leak and cause damage to the micrometer.
- The warranty shall not apply if the product fails or is damaged as a result of wear and tear, including battery drain.

SETUP

INSTALLING THE BATTERY



IMPORTANT! When the battery has been installed, first press the **ORIGIN** button to zero the micrometer, but do not rotate the thimble while the preset values are being set. (See Figure 1)

- Rotating the thimble at this time may result in the failure of setting default settings by the electrical unit. This will prevent obtaining a correct count. Reinstall the battery if you moved the thimble during this time.

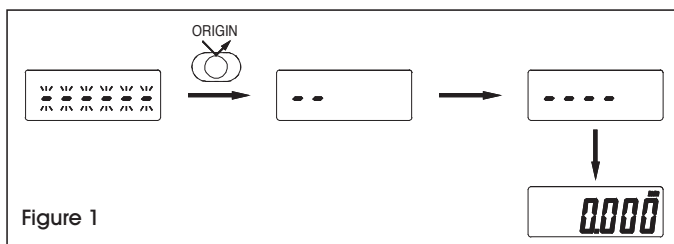


Figure 1

- If the battery is removed then reinstalled, the origin (zero point) set is canceled. If this happens, set the origin (zero point) again. (Refer to Zeroing the Micrometer on Page 3)

- Use only an SR44 button-type silver oxide cell. The battery is used only for the purpose of checking the functions and performance of the micrometer, therefore it may not satisfy the specified battery life.
- Carefully mount the battery cover so that the cover is completely engaged with the hole thread and the seal does not extend off the cover. Unless the battery cover and the seal are mounted properly, the micrometer may not display a correct value.
- When an abnormal display appears, such as an error display or count failure, the battery should be removed and then reinstalled.
- Follow the local ordinances or regulations for battery disposal.
- Install the supplied battery by referring to the figure below. (See Figure 2)

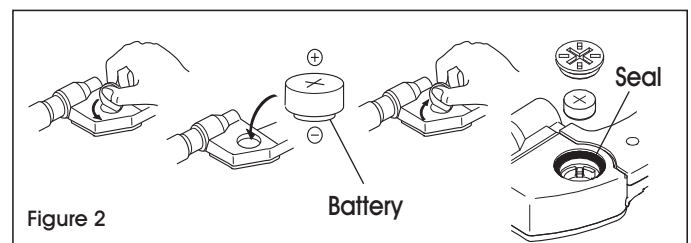


Figure 2

OPERATION

BUTTON FUNCTION

Press the *ORIGIN* button to zero the micrometer.



CAUTION! The LCD automatically turns off if it has been idle for 20 minutes. To turn on the LCD, turn the thimble.

ZEROING THE MICROMETER



IMPORTANT! When the battery has been installed, first press the *ORIGIN* button, but do not rotate the thimble while the preset values are being set. (See Figure 1) Rotating the thimble during this time may result in the failure of setting the default settings. Reinstall the battery if you moved the thimble during this time.

- Before measuring check the origin (zero point) according to Figure 3.
- Remove dust/oil from the measuring faces before zeroing the micrometer.
- It is recommended that the micrometer is held in the same position and under the same conditions for both zeroing and actual measurement.

Zero the micrometer by following the procedure below:
(See Figure 3)

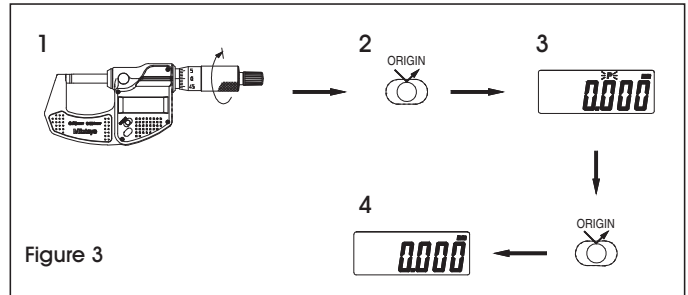


Figure 3

1. Turn the thimble to gently bring the spindle into contact with the anvil. Apply the rated measuring force using the ratchet stop/friction thimble.
2. Press the *ORIGIN* button.
3. If 0.000 is displayed and "P" is flashing, press the *ORIGIN* button again. The display value will not change while "P" is flashing.
4. "P" disappears, indicating the micrometer has zeroed.



CAUTION! If the *ORIGIN* button is accidentally pressed during measurement, press the *ZERO/ABS* button to restore. Zero the micrometer again if measurement function is still not restored.

TROUBLESHOOTING

ERROR MESSAGE	OPERATING ISSUE	RECOMMENDATIONS
	The battery is depleted.	Replace the battery.
Err-oS	Error indicates when a counting error occurred due to noise or moving spindle too fast.	Reset the battery and zero the micrometer.
Err-S	Error indicates when a counting error occurred due to an error in the electronic unit during the initial setting of the micrometer.	Reset the battery and zero the micrometer.

If the problem persists, or if the troubleshooting section does not resolve or describe your problem, contact Uline Customer Service at 1-800-295-5510.