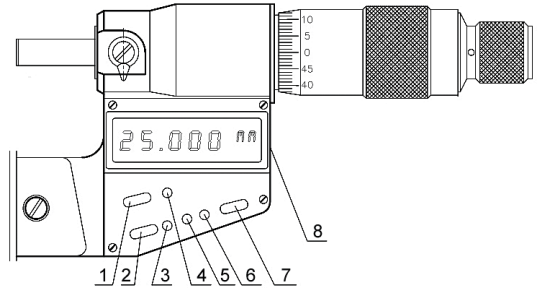


# Electronic Digital Micrometer Operation Instruction

## Function

1. Metric/Inch conversion
2. Data hold
3. Relative/Absolute measuring
4. Toleranse setting
5. Positive setting
6. Negative setting
7. Origin setting
8. Data output



## Trouble shooting

Trouble	Cause	Solutions
No display	<ol style="list-style-type: none"> <li>1. Automatically switched off</li> <li>2. Voltage below 1.1v</li> <li>3. Battery not making good contact</li> </ol>	<ol style="list-style-type: none"> <li>1. Press HOLD or in/mm.</li> <li>2. Replace the battery</li> <li>3. Ensure good battery contact</li> </ol>
Digit display flashing	Battery voltage too low	Replace the battery

## Battery replacement

- Unscrew the battery lid using a spanner with a circular back. Insert the new battery with the anode facing outward. Finally, screw the battery lid back on.

## Specification

Item No.	AC21-1022	AC21-2022	AC21-3022	AC21-4022	AC21-5022	AC21-6022
<b>Measuring range</b>	0-25mm 0-1"	25-50mm 1-2"	50-75mm 2-3"	75-100mm 3-4"	100-125mm 4-5"	125-150mm 5-6"
<b>Resolution</b>	0.001mm 0.00005"	0.001mm 0.00005"	0.001mm 0.00005"	0.001mm 0.00005"	0.001mm 0.00005"	0.001mm 0.00005"
<b>Accuracy</b>	0.003mm	0.003mm	0.003mm	0.003mm	0.003mm	0.003mm

- Power supply: one silver - oxide button battery SR44(1.5V)
- Operating temperature: 0 - + 40°C
- Storage temperature: - 20 - + 70°C
- Humidity influence: no influence within relative humidity ≤ 80%

## Operation method

Function	Operation	Remark
Origin resetting	First ensure that the measuring faces are in contact. If the measurement is above 25mm, use a reference test rod. Then, press the RESET key to display the origin.	Should be used after the origin has been set.
Origin setting	Press the RESET and (-) keys together until the SET indicator flashes. Use the (+) or (-) key to select the desired origin value (0, 25, 50, or 75). Then, press the RESET key to confirm your selection.	The origin setting must be performed in the absolute measuring mode.
Metric/Inch conversion	To switch between the metric and inch measurement systems, press the in/mm key.	
Data hold and wipe out	To activate the data hold function, press the HOLD key. The character "H" will appear, indicating that the data hold function is active. To deactivate the data hold function, press the HOLD key again.	
Relative/Absolute measuring	Press the R/A key. The character "REL" will appear, indicating that the device is in relative measuring mode. Press the R/A key again to switch to absolute measuring mode.	
Tolerance setting and wipe out	<p>To set the tolerance, press the TOL key. When the character "TOLup" appears, turn the micrometer to adjust the display data to the desired up-tolerance value. Then, press the TOL key again. When the character "TOLDOWN" appears, turn the micrometer to adjust the display data to the desired down-tolerance value. Press the TOL key once more, and the character "OK" will appear, indicating that the tolerance setting is complete.</p> <p>To clear the tolerance setting, press the TOL key three times in a row. The tolerance mark will disappear, indicating that the tolerance setting has been cleared.</p>	When one of the characters "TOLDOWN," "TOLup," or "OK" appears, it indicates that the device is in tolerance mode. To clear the tolerance setting, press the TOL key until the character disappears.

## Notes

- Before using the device, check the origin value setting to ensure accurate measurements.
- Do not turn the thimble out from the fixed pipe to prevent jamming the internal components.
- If the device will not be used for an extended period, remove the battery.