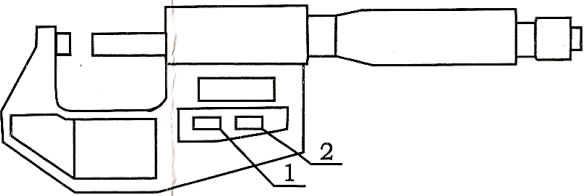
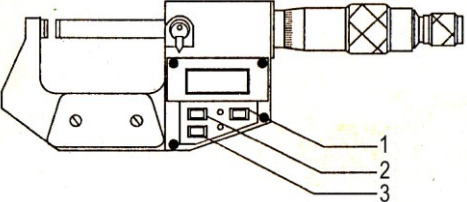


	<ul style="list-style-type: none"> <li>Clear LCD Display</li> <li>Metric/Inch Conversion</li> <li>Zero Reset at any position</li> <li>Resolution Digital Display: 0.001mm/0.00005"</li> <li>Resolution Mechanical Thimble: 0.01mm</li> <li>Tungsten Carbide Anvils</li> <li>Auto Power On</li> <li>Auto Power Off after 4 minutes</li> <li>Ratchet Stop</li> <li>Spindle Lock Lever</li> <li>Plastic Heat Guard</li> <li>Painted Frame</li> </ul>
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Packed Weight and Dimensions

Code	Description	Weight g	W mm	H mm	L mm
50-900-001	Electronic Micrometer 0-25mm / 0 -1"	382	92	28	162
50-900-002	Electronic Micrometer 25-50mm / 1-2"	428	92	28	185
50-900-003	Electronic Micrometer 50-75mm / 2-3"	602	105	33	218
50-900-004	Electronic Micrometer 75-100mm / 3-4"	804	125	33	250

<p>Style 1</p> 	<p>Button Functions:</p> <ol style="list-style-type: none"> <li>1 Metric / Inch Selection</li> <li>2 Zero Reset</li> </ol> <table border="1"> <thead> <tr> <th>Code</th> <th>Range mm/Inch</th> <th>A mm</th> <th>C mm</th> <th>Accuracy mm</th> </tr> </thead> <tbody> <tr> <td>50-900-001</td> <td>0-25 / 0-1</td> <td>30</td> <td>24</td> <td>0.002</td> </tr> </tbody> </table>	Code	Range mm/Inch	A mm	C mm	Accuracy mm	50-900-001	0-25 / 0-1	30	24	0.002
Code	Range mm/Inch	A mm	C mm	Accuracy mm							
50-900-001	0-25 / 0-1	30	24	0.002							

<p>Style 2</p> 	<p>Button Functions:</p> <ol style="list-style-type: none"> <li>1 Zero/ABS</li> <li>2 Metric/Inch Conversion</li> <li>3 Set Button (for use with + and - preset buttons)</li> </ol> <table border="1"> <thead> <tr> <th>Code</th> <th>Range mm/Inch</th> <th>A mm</th> <th>C mm</th> <th>Accuracy mm</th> </tr> </thead> <tbody> <tr> <td>50-900-002</td> <td>25-50 / 1-2</td> <td>57</td> <td>27</td> <td>0.002</td> </tr> <tr> <td>50-900-003</td> <td>50-75 / 2-3</td> <td>80</td> <td>40</td> <td>0.003</td> </tr> <tr> <td>50-900-004</td> <td>75-100 / 3-4</td> <td>105</td> <td>55</td> <td>0.003</td> </tr> </tbody> </table>	Code	Range mm/Inch	A mm	C mm	Accuracy mm	50-900-002	25-50 / 1-2	57	27	0.002	50-900-003	50-75 / 2-3	80	40	0.003	50-900-004	75-100 / 3-4	105	55	0.003
Code	Range mm/Inch	A mm	C mm	Accuracy mm																	
50-900-002	25-50 / 1-2	57	27	0.002																	
50-900-003	50-75 / 2-3	80	40	0.003																	
50-900-004	75-100 / 3-4	105	55	0.003																	

Setting and Use Instructions: Style 1

- Clean micrometer spindle and measuring anvils with soft cloth or paper to remove any oil or particles which may affect the measurements
- Ensure that the micrometer is thermally stabilised with the temperature where it is to be used
- Ensure that the spindle lock is off
- Power up micrometer by turning the barrel, select either metric or inch reading (button 1)
- Use the ratchet stop to move the spindle until it touches the fixed anvil. Allow the ratchet to turn 1 ½ to 2 revolutions for the final positioning
- Set zero in this position (button 2)
- Zero can be set by using button 2 at any position in the micrometers range. This is useful when checking the tolerance of a component

## Electronic Micrometer 50-900-Series

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## Setting and Use Instructions: Style 2

- Clean micrometer spindle and measuring anvils with soft cloth or paper to remove any oil or particles which may affect the measurements
- Ensure that the micrometer is thermally stabilised with the temperature where it is to be used
- Ensure that the spindle lock is off
- Power up micrometer by turning the barrel, select either metric or inch reading (button 2)
- Ensure micrometer is in Absolute mode (REL should not show on the display)
- Press Zero/ABS button to select Absolute or Relative measuring modes (button 1)
- Position setting standard between micrometer anvil and spindle
- Use the ratchet stop to move the spindle until it touches the setting standard. Allow the ratchet to turn 1 ½ to 2 revolutions for the final positioning
- Set the micrometer to the setting standard size by pressing the Set Button (3) together with either the + or – button to bring the display to indicate the same size as the setting standard and release both buttons (SET will flash on the display during this operation). Finally press the SET button to store the size in the micrometers memory.

## Operating Care

- Do not use any organic solvent for cleaning such as acetone etc.
- Keep instrument away from strong magnetic fields and high voltage environments which can affect the correct working of the electronic pack
- Prevent the ingress of oil and liquids into the electronics
- Do not use or store the micrometer in direct sunlight, or in an excessively hot or cold environment
- To conserve the battery the instrument will turn off automatically after 5 minutes of non use
- Remove battery if the instrument is not to be used for a long period of time
- Do not disassemble or drop the instrument

**Do not mark the instrument by engraving, etching or any other permanent method of marking as this will invalidate the warranty**

## Specifications:

Repeatability:	0.002mm
Operating Temperature:	0 – 40 deg.C
Storage Temperature:	-20 to 70 deg. C
Relative Humidity:	≤ 80%
Power:	1 x SR44: 1.5V battery

## Fault Finding

Failure	Causes	Remedy
Digits flash	Battery voltage low	Replace battery
No display	Power not on	Turn micrometer thimble
No display	Bad battery contacts	Clean battery contacts
No display	Battery voltage low	Replace battery
Display is confused or dead	Strong disturbance to micrometer	Reset battery

## Electronic Micrometer 50-900-Series

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## Mechanical Thimble and Sleeve

## Reading Example: Metric



Example for division: 0.01mm

Reading:

From sleeve: 6mm

From thimble: 0.11mm

Final reading: 6mm + 0.11mm = 6.11mm

When reading the micrometer ensure that your line of sight is directly above the graduated scale on the sleeve and the thimble scale to avoid parallax reading errors

## Cleaning and Basic Checking Procedure

Remove any oil, grease, dust or small particles which may cause damage to the micrometer or affect its accuracy when taking measurements. Use a soft lint free cloth or paper together with a proprietary instrument cleaning agent. Do not use acetone as this can damage parts of the micrometer

Before use check that the ratchet mechanism functions correctly

Check the spindle movement by using the ratchet stop to traverse the spindle through its complete travel

Check that the measuring faces are in good condition

Check the locking mechanism works correctly

## Zero Point Checking and Adjustment

Use the ratchet stop to move the spindle until it touches the fixed anvil. Allow the ratchet to turn 1 ½ to 2 revolutions for the final positioning

The zero point on the thimble should now coincide with the reference graduated base line on the sleeve

For micrometers above 25mm / 1" use the supplied setting standard or a gauge block to check the zero position

If the zero point does not line up as required, it can be corrected by using the following procedure

When the zero point deviation on the thimble is under 2 divisions from the graduated base line

Turn the sleeve using the "C" spanner provided until correct alignment is achieved

When the zero point deviation on the thimble is over 2 divisions from the graduated base line

Hold the frame and the thimble and loosen the ratchet stop using the spanner provided

Disconnect the coupling of the thimble to the spindle by giving a light shock to the side of the thimble

Turn the thimble until the zero point is in alignment with the base line on the sleeve

Press the thimble against the spindle and re-tighten with the spanner to achieve a positive coupling

Re-check the zero position, any final small adjustment can now be made using the "C" spanner to re-position the sleeve to the thimble zero