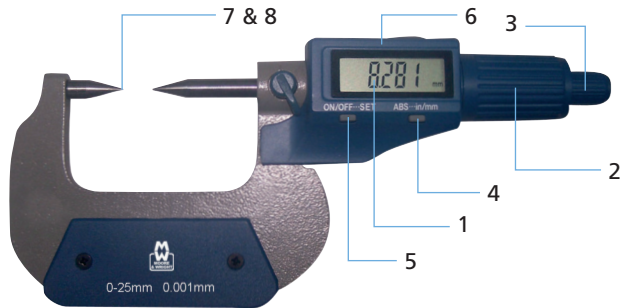


Value Line Digitronic Micrometer 270 Series

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

1. Features

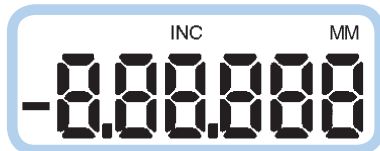
1. LCD display
2. Friction drive
3. Quick drive
4. ABS/INC...UNIT key
5. ON/OFF...SET key
6. Data output
7. Pointed spindle and anvil for measuring grooves and keyways
8. 30 degree measuring point



2. Keys

- ON/OFF...SET key: Power switch. Datum set
- ABS/INC...UNIT key: Absolute and relative measuring. Metric/inch conversion

3. LCD Display



in: Inch measuring mode

mm: Metric measuring mode

INC: Relative measuring mode

4. Operation

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

4.1 On/Off - SET Key

- Press and release: Power on/off
- Press and hold (2 sec. or more): Datum setting for absolute measurement
- Origin of metric is 0, 25, 50, 75mm...275mm. Origin of inch is 0, 1", 2", 3" ...11"
- Sets datum automatically after battery reset



DIGITRONIC MICROMETER INSTRUCTIONS

4.2 ABS/INC - UNIT Key

- Press and release: Absolute and relative measuring mode conversion; 'INC' sign displayed on LCD in relative measuring mode. No sign displayed on LCD in absolute measuring mode
- Press and hold (2 sec. or more): metric/inch conversion; 'in' sign displayed on LCD for inch, otherwise mm

5. Power

- Use a CR2032 Lithium battery and replace the battery when the display begins to dim or the data on the LCD flashes
- If the micrometer is not used for five minutes the power will automatically shut off. Power off the micrometer by pressing the 'On/Off – SET' key to save the battery when not in use

6. General Specifications

- Measuring force: 5-10N
- Operating temperature: 0-40°C
- Power consumption: $\leq 20\mu\text{A}$
- Storage temperature: -20-60°C

7. Precautions

- Do not subject the instrument to blows or shock. Do not drop it or apply excessive force
- Do not disassemble the instrument
- Do not press the keys with a pointed object
- Do not use or store the instrument under direct sunlight or in an excessively hot or cold area
- 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. Alcohol may be used
- Clean measuring faces before use
- If the instrument is to be stored or left unused for extended periods, remove the battery

8. Troubleshooting

Problem(s)	Cause(s)	Solution(s)
Measuring data incorrect	Dirty measuring faces Preset data is not correct	Clean measuring faces Inspect preset data and reset it
No display on LCD	Battery voltage under 2.7v Battery is not properly set	Reset battery (remove for 3 minutes)
Display confused or remains blank	Battery voltage under 2.7v	Replace battery