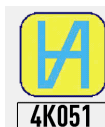




# PRECISION DIGITAL MICROMETER MICROTECH



ISO/IES 17025:2006 (cert. № 4K051)

ISO 9001  
BUREAU VERITAS  
Certification



Quality management system  
ISO 9001:2015 (cert. № U228396)





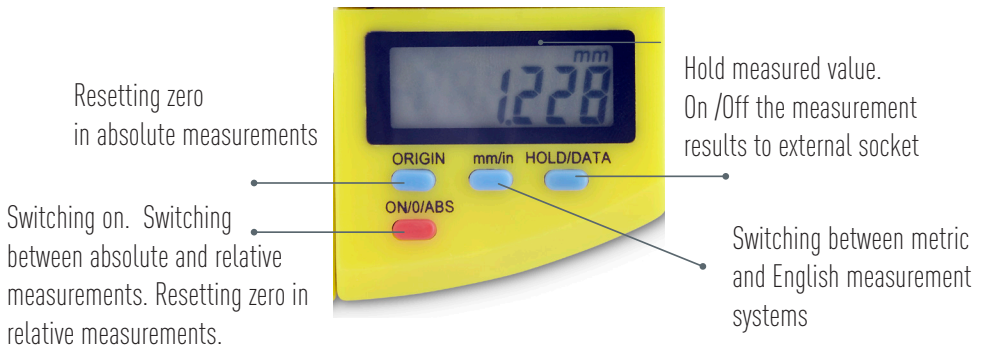
# 1.MODIFICATIONS

Item No	Range	Resolution	Accuracy	Proof	Measuring force device	Data output
	mm	mm	mm			
110180251	0-25	0,001	±0,002	IP-54	Ratchet stop	RS-232
110180501	25-50	0,001	±0,002	IP-54	Ratchet stop	RS-232
110180751	50-75	0,001	±0,002	IP-54	Ratchet stop	RS-232
110181001	75-100	0,001	±0,003	IP-54	Ratchet stop	RS-232

Item No	Range	Resolution	Accuracy	Proof	Measuring force device	Data output
	mm	mm	mm			
110180253	0-25	0,001	±0,002	IP-54	Ratchet friction thimble	RS-232
110180503	25-50	0,001	±0,002	IP-54	Ratchet friction thimble	RS-232
110180753	50-75	0,001	±0,002	IP-54	Ratchet friction thimble	RS-232
110181003	75-100	0,001	±0,003	IP-54	Ratchet friction thimble	RS-232

Item No	Range	Resolution	Accuracy	Proof	Measuring force device
	mm	mm	mm		
110180254	0-25	0,001	±0,002	IP-65	Ratchet friction thimble
110180504	25-50	0,001	±0,002	IP-65	Ratchet friction thimble
110180754	50-75	0,001	±0,002	IP-65	Ratchet friction thimble
110181004	75-100	0,001	±0,003	IP-65	Ratchet friction thimble

# 2.BUTTON FUNCTIONS





## 3. OPERATION INSTRUCTIONS

- 3.1 Clean the oil from the measuring surfaces of micrometer by cloth.
- 3.2 If necessary, open the battery cover; insert the battery (*type CR2032*) according to the polarity of the electrodes. Blinking display information or absence suggests replacing battery. After battery replacement on the screen will be ----- indication. Press **ORIGIN** button for setting 0.000 .
- 3.3 Turn on the display by pressing **ON/O/ABS** button.
- 3.4 Check the setting display to zero. Contact with each other (or with setting gauge) measuring surfaces of the anvil and the spindle, using the ratchet and take a measurement.  
Rotation the micrometer screw in the direction of convergence measuring surfaces using the ratchet.  
ip located at the end of screws, used only for reverse spindle.
- 3.5 For zero setting, press the **ON/O/ABS** or **ORIGIN** button and hold it to reset to Zero.
- 3.6 After switching on, the display shows the measured value of the metric/ English system of units. Press **mm/in** button to switch between metric/English measurement systems.
- 3.7 After switching on, the display shows in absolute or relative terms. Press **ON/O/ABS** button to switch between absolute and relative measurement
- 3.8 During measure, thimble should rotate only by ratchet. Ensure contact of workpiece with measuring surfaces of the micrometer so tightly to ratchet cranked 2-3 times. Try to prevent warping measuring surfaces.
- 3.9 After work the measuring surfaces of the micrometer wipe with a cloth and apply anticorrosive oil.



## WARNING !

- Avoid contact with the body electronics unit micrometer emulsions and oils.
- During the measurements, periodically check the zero setting micrometer.
- Do not make the rotation of the micrometer screw in close measuring surfaces using a thimble.
- Avoid shocks or falling, even with a small height.
- Do not disassemble or adjust the micrometer persons who unrelated to the repair.





# 4. INSTRUMENT FIGURE

