MICROTECH

WIRELESS CALIPER MICROTECH IP54

USER MANUAL

Calibration ISO 17025:2017

ISO 9001 BUREAU VERITAS Certification

ISO 9001:2015

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SPECIFICATION

Item No	Range		Reso-lution	Accu-racy	Jaws	Protection	Round rod	mm/inch	Auto on/off	WIRELESS
	mm	inch	mm	µm						
141081192	0-150	0-6"	0,01	±20	40/16	IP-54		•	•	•
141081192R							•	•	•	•
141081292	0-200	0-8"		±20	50/17			•	•	•
141081392	0-300	0-12"		±30	60/20			•	•	•

*MAX ERROR FOR INTERNAL END DEPTH MEASUREMENTS ISO13385

BUTTONS

WIRELESS MODE SWITCH **7s**

- WIRELESS to MDS app
- WIRELESS **ECO** to MDS app
- WIRELESS **HID**
- WIRELESS **HID+MAC**

MAIN INFO

- Wipe with a clean cloth, soaked in gasoline, measuring surface of the frame and gauge calipers to remove anti-corrosion oil. Then wipe them with a clean dry cloth.
- 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.
- During the measurement, measuring jaws should to sum to the measured object without knocking.
- During the measurement avoid warps of measuring surfaces of the instrument. Measuring surface must be fully in contact with the measurement object.

WARNING!

IN THE PROCESS OF WORKING WITH CALIPERS SHOULD BE AVOIDED:
Scratches on the measuring surfaces;
Measuring the size of object in the process of machining;
Shocks or dropping, avoid bending of rod or other surfaces.

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WIRELESS DATA TRANSFER MODES

MICROTECH caliper with Built-in Wireless data output module for transfer results

MODE		TRANSFER DATA	Switch ON	Switch OFF	Select MODE	LED	DATA send
WIRELESS TO MDS	STANDARD	MICROTECH MDS app Windows, Android, iOS, MacOS	7s.	auto switch off when disconnect	STANDARD or ECO in MDS app		push, or on MDS app
	ECO (GATT)		all time active				push
WIRELESS HID		Direct to any customer app (like keyboard)	7s	auto switch off when disconnect or no data 10 min	7s. and connect BT on PC or Tablet		
WIRELESS HID+MAC							

WIRELESS DATA TRANSFER CONNECTION

Wireless Mode (Indicated by Orange LED)

This mode is designed for data transmission to the MDS software. When activated, the caliper will transmit measurement data wirelessly to the program. The orange LED indicates that the caliper is in Wireless Mode.

Wireless Energy Saving Mode (Indicated by Red LED)

This mode conserves energy while maintaining wireless capabilities. To activate Wireless Energy Saving Mode, enable this setting in the MDS software. The caliper will switch to this mode, indicated by a red LED.

Bluetooth HID Mode (Indicated by Green LED)

This mode allows synchronization with measurement devices via Bluetooth using Human Interface Device (HID) protocol. The green LED indicates that the caliper is in Bluetooth HID Mode.

Bluetooth HID + MAC Mode (Indicated by Green and Orange LEDs)

This mode provides additional functionality by combining HID protocol with MAC address recognition. When active, both green and orange LEDs will be illuminated.

Switching Between Modes

To switch between the different modes, press and hold the data transmission button for 7 seconds. During the switching process, all LEDs (orange, green, and red) will light up, indicating that the caliper is transitioning to a new mode.

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POWER CONSUMPTION

MODE		TRANSFER DATA
WIRELESS OFF		45 µA
WIRELESS TO MDS	STANDARD	2.0 mA
	ECO (GATT)	45-100 µA
WIRELESS HID		0.4 mA
WIRELESS HID+MAC		0.4 mA

DOWNLOAD MICROTECH MDS APP

Link to to Download MICROTECH MDS app for Windows, Android, iOS, MAcOS on www.microtech.tools

DOWNLOAD APP

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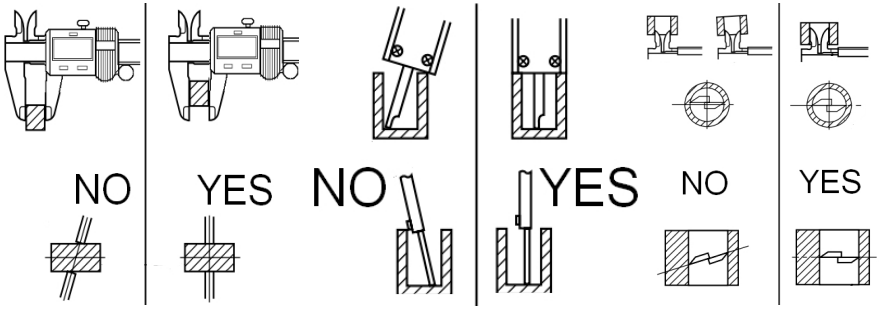
RECOMENDATIONS



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