




141740154

**Offset Digital
Caliper
Wireless**



MICROTECH 141740154 Offset Digital Caliper Wireless User Manual

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MICROTECH 141740154 Offset Digital Caliper Wireless



Product Information

Specifications

- **Brand:** MICROTECH
- **Model:** WIRELESS OFFSET CALIPER IP67
- **Jaws Range:**
 - 0-150mm for Item No 141740154
 - 0-300mm for Item No 141740304
- **Resolution:** 0.01mm
- **Protection:** IP67

Product Usage Instructions

Calibration and Setup

1. Wipe the measuring surfaces of the caliper with a clean cloth soaked in gasoline to remove anti-corrosion oil.
2. Open the battery cover and insert a CR2032 battery ensuring correct polarity.
3. Move the electronic module to switch on the caliper; it will automatically switch off after 10 minutes of inactivity.

Using the Offset Caliper

The offset caliper is equipped with special offset jaws for measuring distance between surfaces or from a reference point.

1. Place the measuring jaws on the object to be measured without knocking.
2. Ensure the measuring surfaces are flat and fully in contact with the object being measured.

Battery Replacement

Follow manufacturer guidelines for battery replacement. Use caution to avoid damaging the caliper during this process.

Button Functions

The caliper features different wireless data transfer modes accessible via button functions. Refer to the manual for detailed instructions on each mode.

Wireless Data Transfer Connection

1. Switch on the wireless module by pressing the button for 2 seconds.
2. Select the desired data transfer mode (STANDARD or ECO) by following the on-screen instructions.
3. For ECO mode, recommended for battery saving, data transfer is seamless with no display indication.

Frequently Asked Questions (FAQ)

- **Q: Where can I download the MICROTECH MDS app?**

A: You can download the app for Windows, Android, iOS, and MacOS from www.microtech.tools.

- **Q: Is there a video manual available for this product?**

A: Yes, you can find a video manual demonstrating the connection process on MICROTECH's YouTube channel or by scanning the provided QR code.

MODIFICATIONS

Item No	Range	Jaws		Reso- luti on	Accu- rac y	Protect ion	Preset	WIRELE SS
		slide	fix					
	mm	mm	mm	mm	µm			
141740154	0-150	110	40	0,01	±30	IP67	•	•
141740304	0-300	130	60		±40		•	•

OPERATION INSTRUCTIONS

OFFSET caliper equipped with special offset jaws for measuring offset distance between two surfaces or the distance from a reference point.

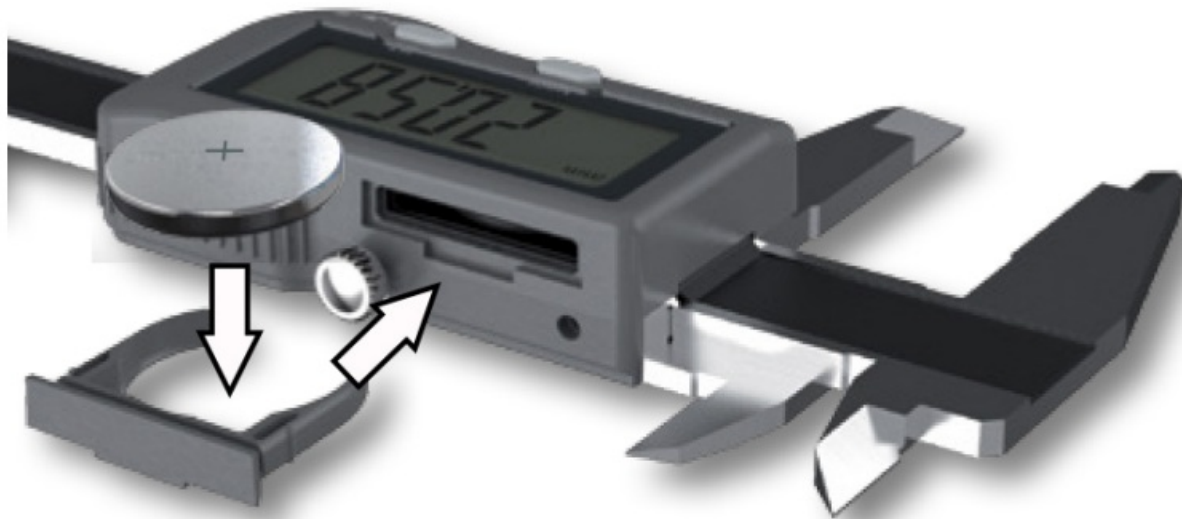
Wipe with a clean cloth, soaked in gasoline, measuring surface of the frame and gauge calipers to remove anti-corrosion oil. If necessary, open the battery cover; insert the battery (type CR2032) according to the polarity of the electrodes.

This caliper has Autoswitch on/ off function:

- move electronic module for switch on caliper
- after 10 minutes without any moving caliper will switch off

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.



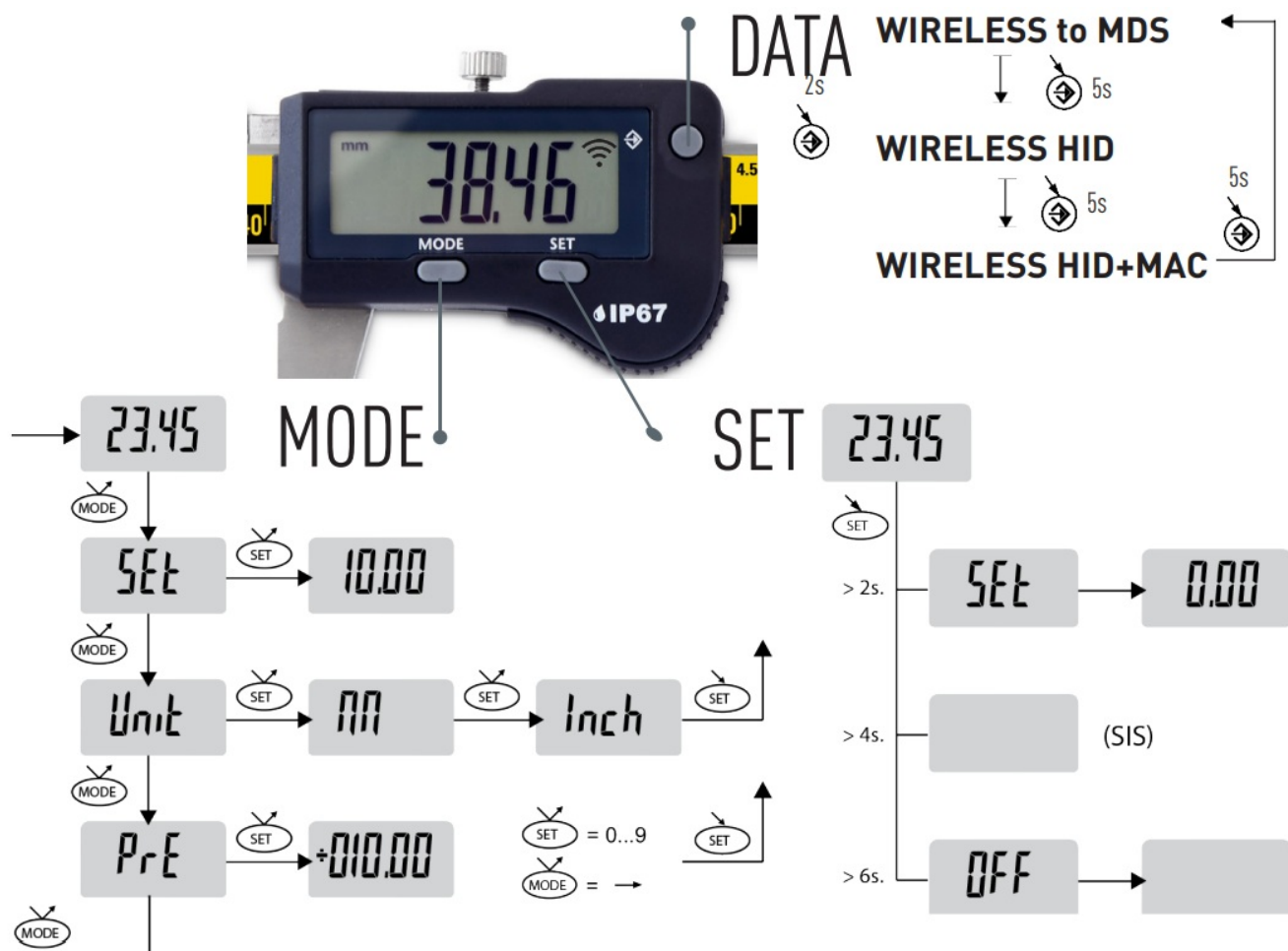
BATTERY REPLACEMENT

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.

BUTTON FUNCTIONS










POWER CONSUMPTION






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




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		DATA send
						indic.	
WIRELESS TO MDS	STANDARD	MICROTECH MDS app Windows, Android, iOS, MacOS	 2s.	auto switch off when disconnect	STANDARD or ECO in MDS app	 blinking non stop	 push, or on MDS app
	ECO (GATT)		all time active			no	
WIRELESS HID		Direct to any customer app (like keyboard)	 2s	auto switch off when disconnect or no data 10 min	 5s. and connect BT on PC or Tablet	 blinking 2 sec	 push
WIRELESS HID+MAC							

WIRELESS DATA TRANSFER CONNECTION

SWITCH ON WIRELESS module push  button 2 sec; In WIRELESS TO MDS  non-stop blinking on display up to connection to MDS app and selecting STANDARD or ECO sub-mode. In STANDARD submode data transfer 4 times/sec and  all time on display. Push  button to save data to MDS app or use buttons and Timer inside app. In ECO (GATT) submode caliper ready to transfer data any time with no indication. Push  button to save data on MDS app.

For selecting next mode push  5 sec. WIRELESS HID and WIRELESS HID+MAC  blinking 2 sec on display and will be ready for searching on Tablet, Smartphone or Computer Bluetooth connections. After succesfull connection save data to customers app with push  button.

DOWNLOAD MICROTECH MDS APP

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

DOWNLOAD APP




VIDEO MANUAL

Video manual with Connection on MICROTECH YouTube <https://www.youtube.com/@Microtech-Instrumentsor> by QR code scanning.



Documents / Resources

	<p>MICROTECH 141740154 Offset Digital Caliper Wireless [pdf] User Manual 141740154, 141740304, 141740154 Offset Digital Caliper Wireless, 141740154, Offset Digital Caliper Wireless, Digital Caliper Wireless, Caliper Wireless, Wireless</p>
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References

- [User Manual](#)

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