

MICROTECH  
IP67 Wireless  
Depth Caliper



# MICROTECH IP67 Wireless Depth Caliper User Manual

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# MICROTECH

## MICROTECH IP67 Wireless Depth Caliper



## **Specifications:**

- Brand: MICROTECH
- Model: WIRELESS DEPTH CALIPER IP67
- Range:
  - 0-150 mm / 0-6 inch
  - 0-200 mm / 0-8 inch
  - 0-300 mm / 0-12 inch
  - 0-1000 mm / 0-40 inch
  - 0-2000 mm / 0-80 inch
  - 0-3000 mm / 0-120 inch
- Resolution: Base mm
- Accuracy: m mm
- Protection: IP67
- Display: Swiss 11 mm digit

## **Product Usage Instructions**

### **Caliper Preparation:**

1. Wipe the measuring surfaces with a clean cloth soaked in gasoline to remove anti-corrosion oil.
2. Insert a CR2032 battery into the caliper following the polarity markings.

### **Operation:**

- The caliper has Autoswitch on/off function.
- Ensure measuring jaws are in contact with the object without knocking.
- Avoid warps on measuring surfaces and ensure full contact with the object.

### **Battery Replacement:**

Follow manufacturer instructions for replacing the CR2032 battery.

### **Button Functions:**

Use the mode button to switch between different wireless data transfer modes.

### **Wireless Data Transfer Modes:**

The caliper supports various wireless data transfer modes for sending data to different devices.

### **Wireless Data Transfer Connection:**

- Press the wireless module push button for 2 seconds to establish a connection.
- Follow on-screen instructions for data transfer modes and saving data to the app.

## Download MICROTECH MDS App:

Visit [www.microtech.tools](http://www.microtech.tools) to download the MICROTECH MDS app for various platforms.

## FAQ:

- Q: How do I know when the caliper is in wireless data transfer mode?  
A: When the caliper display is blinking continuously, it indicates that it is in wireless data transfer mode.
- Q: Can the caliper be used with both Windows and iOS devices?  
A: Yes, the caliper is compatible with Windows, Android, iOS, and MacOS devices for data transfer.

## MODIFICATIONS



Item No	Range		Reso- lution	Accu- racy	Base	Prote ction	Prese t	WIREL ESS	Display
	mm	inch	mm	µm	mm				
1432010154	0-150	0-6"	0,01	±20	102	IP67	•	•	Swiss 1 1 mm d igit
1432010204	0-200	0-8"		±30			•	•	
1432010304	0-300	0-12"					•	•	
1432010504	0-500	0-20"		±40			•	•	
1432011004	0-1000	0-40"		±50	•		•		
1432012004	0-2000	0-80"		±80	•		•		
1432013004	0-3000	0-120"		±100	•		•		

## OPERATION INSTRUCTIONS

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

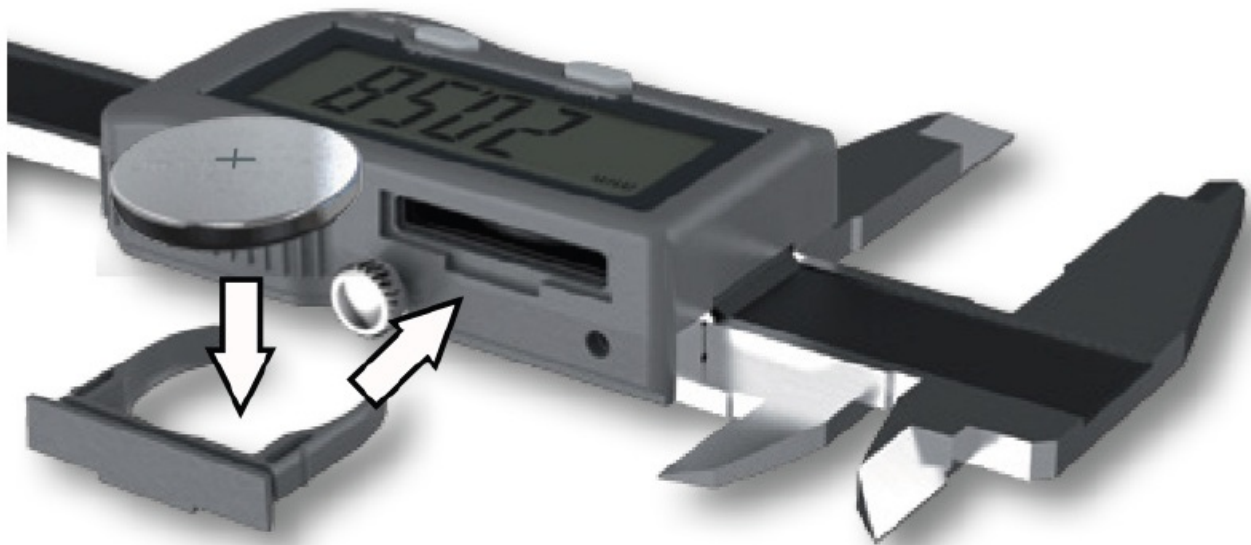
This caliper has Auto switch on/ off function:

- move the electronic module for the switch on the 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 the measuring surfaces of the instrument. The measuring surface must be fully in contact with the measurement object

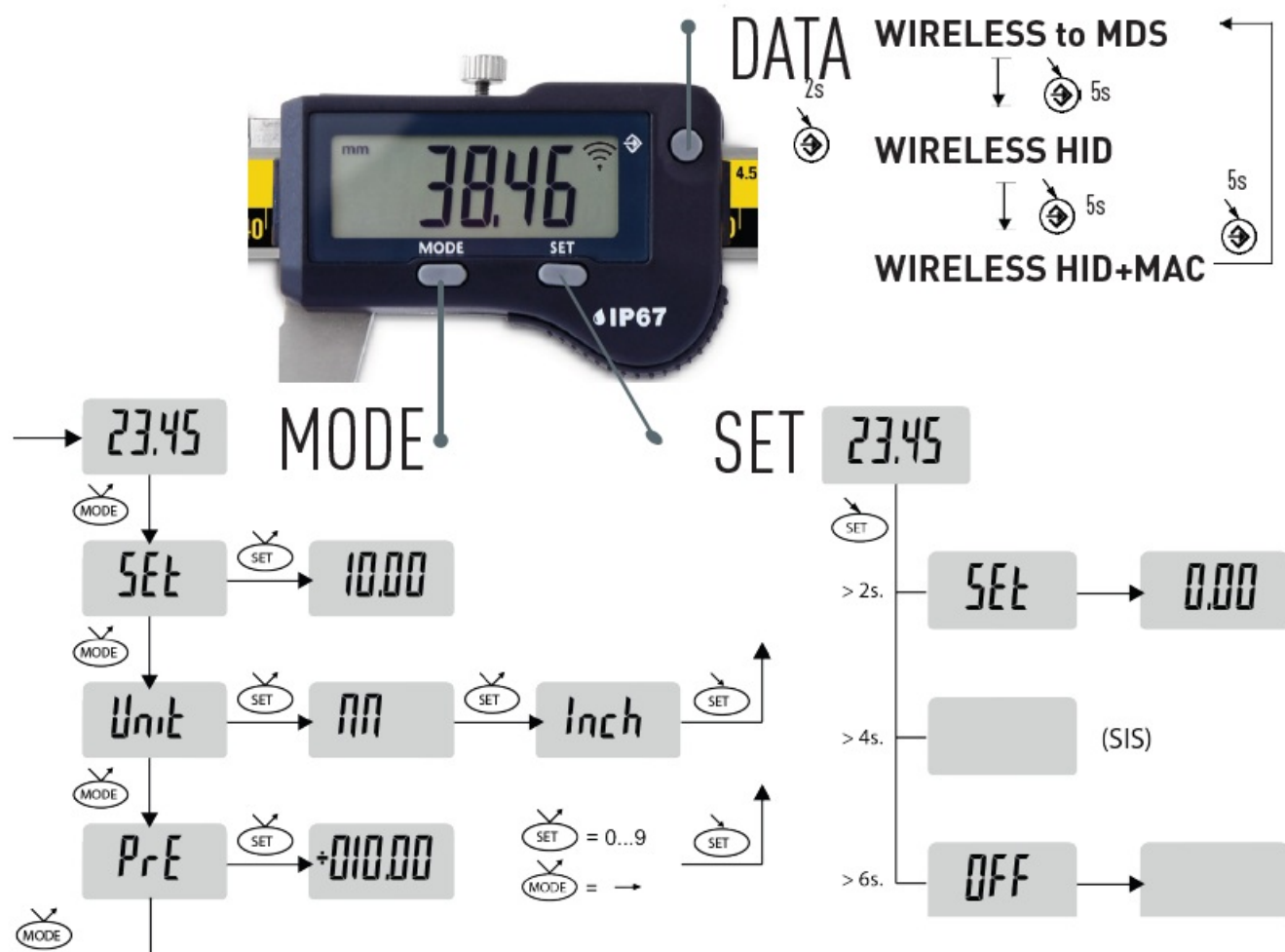
## BATTERY REPLACEMENT



## 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 µA
WIRELESS TO MDS	STANDARD	2.0 mA
	ECO (GATT)	45-100 µA
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.	 blinking 2 sec	 push
WIRELESS HID+MAC					and connect BT on PC or Tablet		

## 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. ECO recommended for battery economy
- 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  2 sec on display and will be ready for searching on Tablet, Smartphone or Computer Bluetooth connections.
- After successful 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](http://www.microtech.tools)

## DOWNLOAD APP



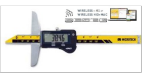
## VIDEO MANUAL



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

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## Documents / Resources

 <p>WIRELESS DEPTH CALIPER IP67 USER MANUAL</p>	<p><a href="#">MICROTECH IP67 Wireless Depth Caliper</a> [pdf] User Manual 1432010154, 1432010204, 1432010304, 1432011004, 1432012004, 1432013004, IP67 Wirele ss Depth Caliper, IP67, Wireless Depth Caliper, Depth Caliper, Caliper</p>
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## References

- [User Manual](#)

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