Manuals+ — User Manuals Simplified.

MICROTECH IP67 Wireless Offset Centerline Caliper User Manual

Contents

MICROTECH

MICROTECH IP67 Wireless Offset Centerline Caliper

Specifications

- Brand: MICROTECH
- Model: Offset Centerline Caliper IP67

- Wireless Connectivity: WIRELESS TO MDS, WIRELESS HID+MAC
- Calibration Standards: ISO 17025:2017, ISO 9001:2015
- Battery Type: CR2032
- IP Rating: IP67

Product Usage Instructions

Initial Setup

1. Wipe the measuring surfaces with a clean cloth soaked in gasoline to remove anti-corrosion oil.
2. Insert the CR2032 battery into the caliper, ensuring correct polarity.
3. The caliper has an Autoswitch on/off function; move the electronic module to switch it on.

Measurement Process

- Ensure measuring jaws sum to the measured object without knocking.
- Avoid warps on measuring surfaces and ensure full contact with the object.

Battery Replacement
Replace the CR2032 battery when needed, following proper safety precautions.

Button Functions
Use the MODE button to select different wireless data transfer modes.

Wireless Data Transfer

- Switch on the wireless module by pressing the button for 2 seconds.
- Select the desired transfer mode (STANDARD or ECO) for data transfer.
- Use the buttons on the caliper or the app to save data.

Downloading MDS App
Download the MICROTECH MDS app from **www.microtech.tools** for various platforms.

Frequently Asked Questions (FAQ)

- **Q: What battery type does the caliper use?**
  - A: The caliper uses a CR2032 battery for operation.
- **Q: How do I switch on the wireless data transfer mode?**
  - A: Press the wireless module button for 2 seconds to activate the wireless data transfer mode.
- **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: How should I clean the caliper for maintenance?**
  - A: Wipe the measuring surfaces with a clean cloth soaked in gasoline to remove anti-corrosion oil.
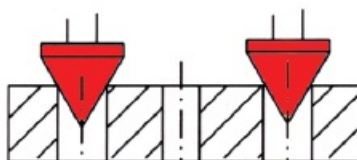
MICROTECH
WWW.MICROTECH.TOOLS

WIRELESS OFFSET CENTERLINE CALIPER IP67

USER MANUAL

Item No	Range		Resolution	Accuracy	Anvil D		Protection	Preset
					standard	option		
	mm	inch	mm	µm	mm	mm		
141730154	10-160	0.4-6.4"						•
141730204	10-210	0.4-8.4"	0,01	±30	10	20, 35	IP67	•
141730304	10-310	0.4-12.4"						•

MODIFICATIONS

OPERATION INSTRUCTIONS

OFFSET CENTERLINE calipers equipped with special jaws for measuring center to center distance.
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
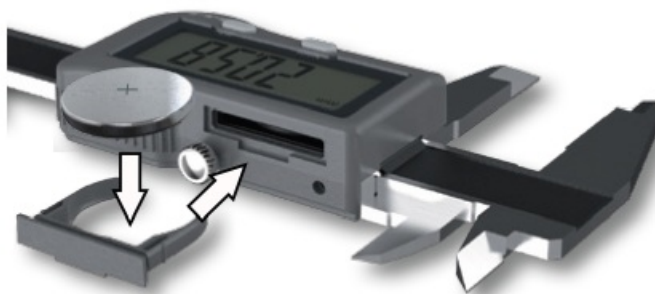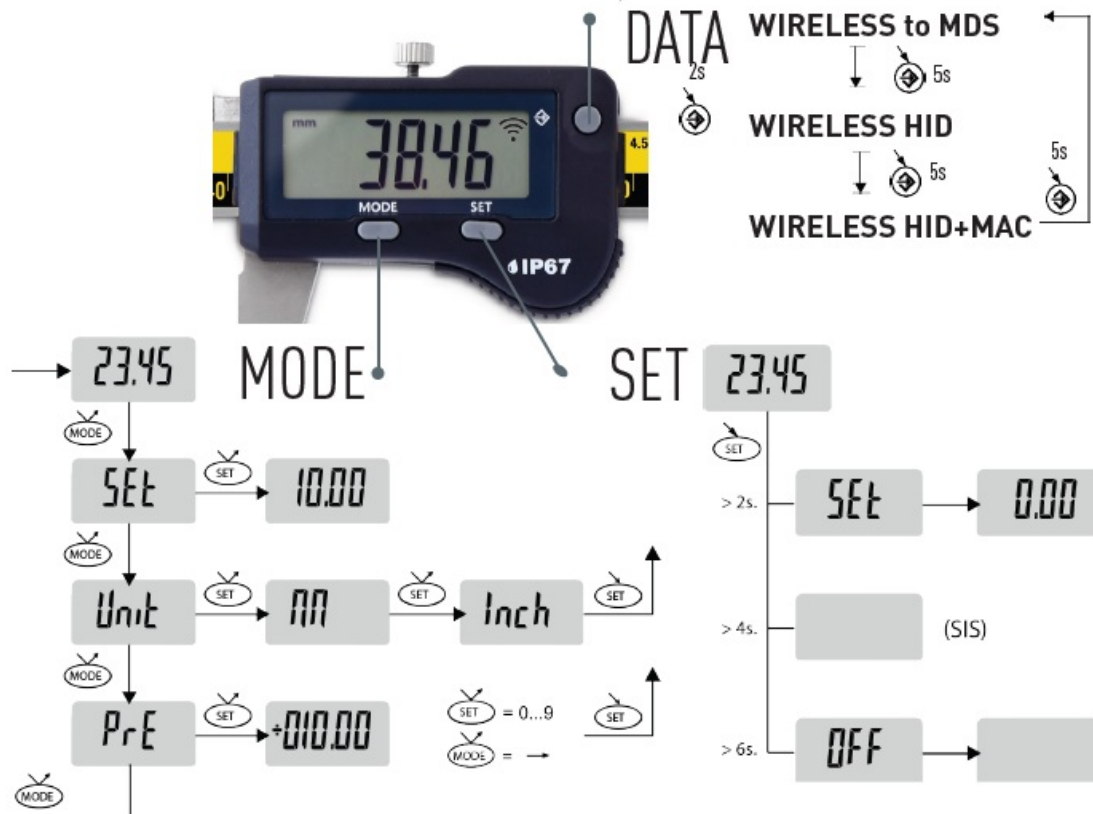

BATTERY REPLACEMENT

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 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. 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.

- ECO recommended for battery economy

- In **STANDARD** sub mode 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) sub mode 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 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**

DOWNLOAD APP

[Download Windows App]

[Download on the App Store]

[GET IT ON Google play]

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

Changing without prior notice

Documents / Resources

MICROTECH IP67 Wireless Offset Centerline Caliper [pdf] User Manual
141730154, 141730304, IP67 Wireless Offset Centerline Caliper, IP67, Wireless Offset Centerline Caliper, Offset Centerline Caliper, Centerline Caliper, Caliper

References

- **User Manual**