



# WIRELESS DOUBLE FORCE CALIPER MICROTECH

## USER MANUAL



Calibration ISO 17025:2017

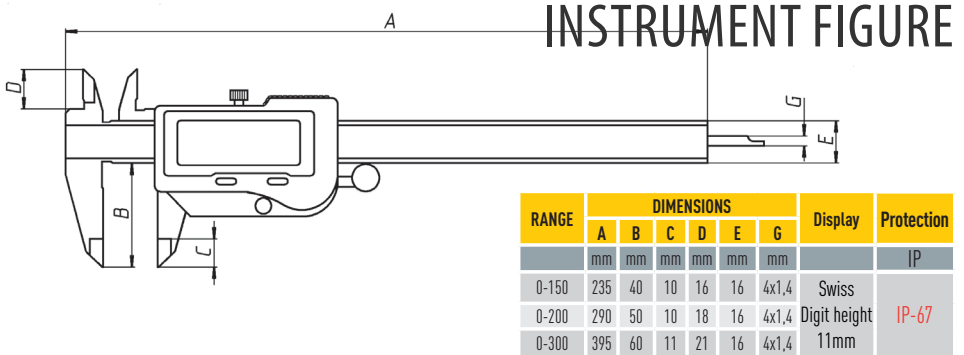
ISO 9001  
BUREAU VERITAS  
Certification



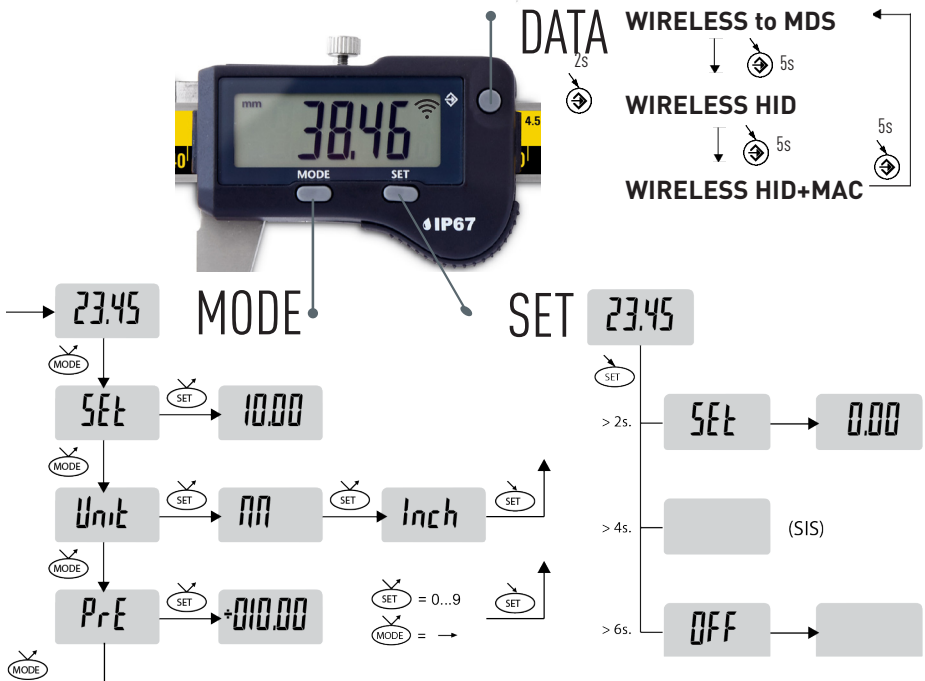
ISO 9001:2015

Item No	Range		Resolution	Accuracy*	Double force	Display	Protection	Carbide jaws	Wireless data output
	mm	inch	mm	µm	N				
141078192	0-150	0-6"	0.01	±10	8 ext	Swiss Digit height 11mm	IP-67		•
141078192C				•					
141078292	0-200	0-8"		±10	4 int			•	
141078229C				•					
141078392	0-300	0-12"	±20		•				
141078329C			•						

\*MAX ERROR FOR INTERNAL END DEPTH MEASUREMENTS DIN-862



## BUTTONS



# DOUBLE FORCE CONTROL MEASURING

## EXTERNAL MEASURING with FORCE 8N

### ZERO SETTING FOR EXTERNAL

- Contact external jaws to each other
- Push Force roll up to double-lines comes left on Force indicator and press SET button 2s.

### EXTERNAL MEASURING

- When double-lines on Force indicator in left position - Measuring Force on External jaws  $8 \pm 2N$ .



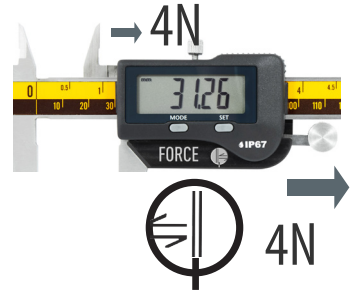
## INTERNAL MEASURING with FORCE 4N

### PRESET INTERNAL VALUE

- Contact internal jaws inside setting ring
- PRESET setting ring size on caliper
- Push Force roll up to right lines on Force indicator and press SET button 2s.

### INTERNAL MEASURING

- When double-lines on Force indicator in right position - Measuring Force on Internal jaws  $4 \pm 1N$ .

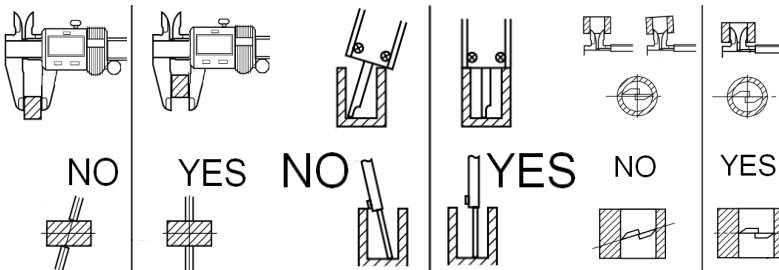


## BATTERY REPLACEMENT

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.



## CORRECT MEASURING



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

MODE		TRANSFER DATA	Switch ON	Switch OFF	Select MODE	DATA send
WIRELESS TO MDS	STANDARD	MICROTECH MDS app Windows, Android, iOS, MacOS	2s.	auto switch off when disconnect	STANDARD or ECO in MDS app	<b>non stop</b> push, or on MDS app
	ECO (GATT)		all time active			<b>no</b>
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	<b>2 sec</b> 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** 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 successful connection save data to customers app with push button.

## POWER CONSUMPTION

MODE		TRANSFER DATA
WIRELESS OFF		45 $\mu$ A
WIRELESS TO MDS	STANDARD	2.0 mA
	ECO (GATT)	45-100 $\mu$ A
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](http://www.microtech.tools)

DOWNLOAD APP



## VIDEO MANUAL

Video manual with Connection on MICROTECH YouTube <https://www.youtube.com/IMicrotech-Instruments> or by QR code scanning

