



SUB-MICRON COMPUTERIZED GAUGE FOR EXTERNAL MEASURING USER MANUAL



Calibration ISO 17025:2017



ISO 9001:2015



Item No	Range	Resolution	Accuracy	Functions	Data output	
					USB	Wireless
	mm	mm	mm			
134201005	0-10	0,001	±0,020	Error comp.Temp. comp Preset. Memory Max/Min Limits	+	max 50 m
134202005	0-20	0,001	±0,020		+	max 50 m
134203005	10-30	0,001	±0,020		+	max 50 m
134204005	20-40	0,001	±0,020		+	max 50 m
134205005	30-50	0,001	±0,020		+	max 50 m
134206005	40-60	0,001	±0,020		+	max 50 m

Parameters	
LED display	color 1,5 inch
Power supply	Rechargeable Li-Pol battery
Lifetime	>80h (Medium brightness)
Charging port	micro-USB
Case material	Aluminium
Buttons	Switch, Reset
Wireless data transfer	10m without external antenna 50m with external antenna (from set)

MAIN INFO



MICROTECH

- SWITCH ON DEVICE** - button push (1 sec)
- SWITCH OFF DEVICE** - auto switch off (configuring throw DISPLAY SETTING menu)
 - button push (3 sec)



Clean the oil from the measuring rod and measuring anvil.

For recharging indicator (Li-Pol rechargeable battery) connect it with standard USB cable to charger device

Turn on instrument by pressing ON button (1 sec).

For zero setting, press the ZERO button on Touchscreen.

Save measuring data to internal indicator memory with touch data on screen. You can view saved data throw menu or send throw USB or Wireless connection to Windows PC, Android or iOS devices.

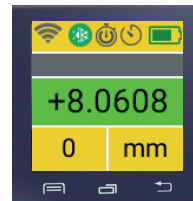
CHARGING

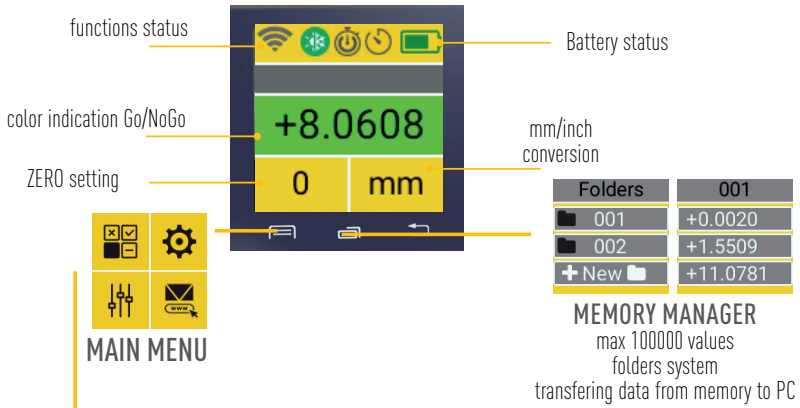
For charging connect USB cable



BUILT-IN BATTERY - rechargeable Li-Pol battery

Charging process indicating on Battery status (switch on device)





< +00.0001

> +00.0001

MIN

LIMITS
color Go/NoGo

Max/Min

Enable

Max

MAX/MIN
indicating max or min value

A +00.0000

B +00.0000

C +00.0000

RESET

FORMULA MODE
 Ax^2+Bx+C

Timer

+000 sec.

RESET

0: 01.0000

OK

RESET

ERROR COMPENSATION
mathematical correction

Temp. comp.

None Mode

+25.00 C

TEMPERATURE COMPENSATION
manual correction 4 materials

Resolution

X.0000

RESOLUTION
selected up to 0.0001mm

Extra

Axis Mode

Normal

Wireless Trans

Normal

1 min

WIRELESS
modes of data transmission

Mode OFF

UART OFF

Keypad ON

Control

USB
USB connection configuration

Device

Auto start ON

FN RESET

DEVICE SETTING
autostart, reset, password

Angle

Sleep ON

Light High

Mode

Folder

+000

RESET

MEMORY SETTING
folder configuration

Link to software

SOFTWARE
link to download app

Calibration Date

DAY MONTH YEAR

01 01 2020

CHANGE

CALIBRATION STATUS
calibration date control

app@microtech.ua
F411RE
FW: 1.1.1
MAC: 00000
ID: 00000000

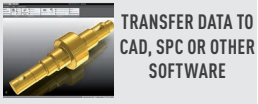
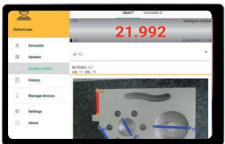
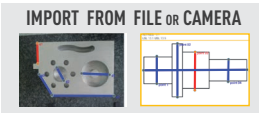
CONNECTION



USB CONNECTION



WIRELESS CONNECTION



DATA TRANSFER DISTANCE FOR INTELLIGENT INSTRUMENTS

- All MICROTECH Intelligent instruments has internal memory. You can collect data to memory and when it will be necessary transfer all data to the peripheral device with no data losing.
- It's possible transfer data, like in Wireless instruments up to 15 m or up 50 m with external antenna
- USB port can be used to transfer data directly to Windows PC



LIMITS GO/NOGO

MENU SETTING

< +00.0001

> +00.0001

MIN

MAIN SCREEN

+8.0608

0 mm

NoGo Go NoGo

MAX - NoGo over MAX value
 MIN - NoGo over MIN value
 RANGE - selecting GO range
 NONE - No active mode

MAX/MIN

Max/Min

Enable

MAX

Status indication on main screen

+8.0608

0 mm

ENABLE/DISABLE mode indicating MAX dvalue indicating MIN value

FORMULA

A +00.0000

B +00.0000

C +00.0000

RESET

EXAMPLES:

- for value x2 - B=2

- set PRESET 100mm C=100

- square value A=1

Avialable Formulas:
 - Ax^2+Bx+C
 -Radius (for indicators)
 -Sphere (for indicators)

TIMER

Timer

+000 sec.

RESET

Timer indication on main screen

+8.0608

0 mm

Saving or transfer data by Timer
 Select timer period
 For disactive - reset to zero

MATH. ERROR COMPENSATION

O: 01.0000

C: 01.0010

OK

RESET

Red value
- actual value on instrument

Green value
- compensated value

Use up&down button to update actual value (green) to correct value.
 For compensation correction - push OK.
 After points correction computerized instrument will recalculate values according corrected points

TEMPERATURE COMPENSATION

Temp. comp.

Glass, Quartz
Solid alloys, Mo

+25.00

+8.0608

0 mm

Re-calculation value to calibration conditions 20C
 7 types of materilas for selection
 Manual temperature setting

RESOLUTION

Resolution

X.0000

+8.0608

Selecting instrument resolution

EXTRA (Axis mode)

Extra

Axis Mode

Normal

+/- value indication

+8.0608

0 mm

Selecting normal or inverted axis mode



FUNCTIONS



MICROTECH

WIRELESS CONNECTION

Wireless Trans

Normal

1 min

WIRELESS status

+8.0608

0 mm



USB CONNECTION

Mode OFF

UART OFF

Keypad ON

CONRG

Windows

PIN

Device

Auto start ON

PIN RESET

DISPLAY SETTING

Angle 0

Sleep off

Rotation 0, 90, 180, 270

Sleep mode

Brightness level

+8.0608

0 mm

8090'8+

MEMORY MANAGER SETTINGS

Mode 001

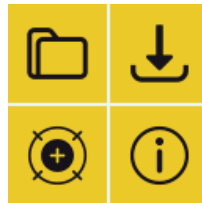
Folder +0.0020

+000 +1.5509

RESET +11.0781

- Standard / Folder mode

In Folder mode possible to set qty values in each folder.



LINK TO SOFTWARE

Link to software

Free Software for Windows, Android, iOS

Link to page with MDS Software download

- for Android, iOS, Windows
- Free and Pro versions

CALIBRATION DATE

Calibration Date

DAY MONTH YEAR

01 01 2020

CHANGE

Saving or transfer data by Timer

Select timer period

For disactive - reset to zero

DEVICE INFO

app@microtech.ua

F411RE

FW: 1.1.1

MAC: 00000

ID: 00000000

Information about firmware version and MAC address for easy connection



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Change without prior notice

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