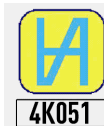




SUB-MICRON COMPUTERIZED DISK MICROMETER MICROTECH



ISO/IES 17025:2006 (cert. № 4K051)



Quality management system
ISO 9001:2015 (cert. № U228396)

Item No	Range		Resolution		Accuracy	Protection class	Indication
	mm	inch	mm	inch	μm		
1107800258	0-25	0-1"	0,0001	0.00001"	±3	IP-65	computerized MICS system with 1,54" touchscreen
1107800508	25-50	1-2"			±3	IP-65	
1107800758	50-75	2-3"			±4	IP-65	
1107801008	75-100	3-4"			±4	IP-65	
1107801258	100-125	4-5"			±5	IP-65	
1107801508	125-150	5-6"			±5	IP-65	
1107801758	150-175	6-7"			±6	IP-65	
1107802008	175-200	7-8"			±7	IP-65	
1107802258	200-225	8-9"			±8	IP-65	
1107802508	225-250	9-10"			±8	IP-65	
1107802758	250-275	10-11"			±9	IP-65	
1107803008	275-300	11-12"			±9	IP-65	
WIDE RANGE MICROMETERS							
1107804008	300-400	12-16"	0,0001	0.00001"	±12	IP-65	computerized MICS system with 1,54" touchscreen
1107805008	400-500	16-20"			±12	IP-65	
1107806008	500-600	20-24"			±12	IP-65	
1107807008	600-700	24-28"			±14	IP-65	
1107808008	700-800	28-32"			±14	IP-65	
1107809008	800-900	32-36"			±15	IP-65	
1107810008	900-1000	36-40"			±15	IP-65	



PRECISION MEASUREMENTS

MICROTECH computerized micrometer with 0.1 resolution can be used for high precisor measurements in manufacturing, automotive medical industry and for calibration



COLOR GO/NOGO INDICATION

Easy and quick limits control.
It's possible setup max and min value throw menu.
Color indication reduce possibility of error during control



INTERNAL MEMORY

Computerized micrometer has memory manger with possibility saving data to folders. Separate Data's or Folders can be transfer Wireless to MICROTECH Software (Windows, Android,iOS)



FORMULA MODE

In Formula mode we use Ax^2+Bx+C
Main using of this function is:

- Preset function
- Magnification of measured value

For customers request Formula can be updated



ERROR COMPENSATION

It's possible to make mathematical error compensation. Just re-calibrate micrometer with gauge block set and save results. Micrometer will indicate measuring results include re-calibration.



TEMPERATURE COMPENSATION

Temperature compensation function gives possibility recalculate details sizes with high or low temperatures to normal (20C conditions). Available recalculation for 7 materials

- 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 surfaces of micrometer by cloth.

Turn on micrometer by pressing SWITCH ON button.

Check the setting display to zero. Contact with each other (or with setting gauge) measuring surfaces of the anvil and the spindle, using the ratchet and take a measurement.

Rotation the micrometer screw in the direction of convergence measuring surfaces using the ratchet.

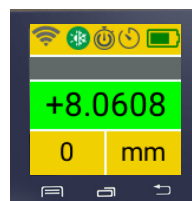
For zero setting, press the ZERO button on Touchscreen.

CHARGING

For charging connect USB cable

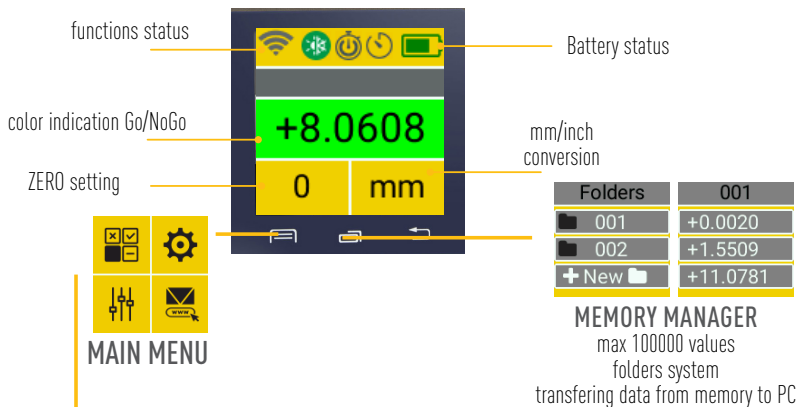


Charging process indicating
on Battery status
(switch on device)



BUILT-IN BATTERY - rechargeable Li-Pol battery

Parameters	
LED display	color 1,5 inch
Power supply	Rechargeable Li-Pol battery
Charging port	micro-USB
Case material	Aluminium
Buttons	Switch, Reset
Wireless data transfer	10+m



< +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

TIMER MODE
saving or transfer data on timer



O: 01.0000

C: 01.0010

OK

RESET

ERROR COMPENSATION
mathematical correction

Temp. comp.

None Mode

+25.00 C

TEMPERATURE COMPENSATION
manual correction 4 materials

Resolution

X.0000

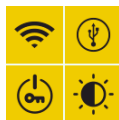
RESOLUTION
selected up to 0.0001mm

Extra

Axis Mode

Normal

AXIS MODE
normal or inverted



Wireless Trans

Normal

1 min

WIRELESS
modes of data transmission

Mode OFF

UART OFF

Keypad ON

CONFIG

USB
USB connection configuration

Device

Auto start ON

PIN

RESET

DEVICE SETTING
autostart, reset, password

Angle 0

Sleep off

Light High

SCREEN SETTING
screen rotation, brightness



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

DEVICE INFO
service info about device





USB CONNECTION



USB-DONGLE

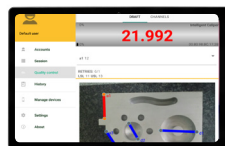


UP TO 50M

WIRELESS CONNECTION



IMPORT FROM FILE OR CAMERA



Windows



iOS



ANDROID

DOWNLOAD



DOWNLOAD



DOWNLOAD



SAVING DATA
TO XLS. CSV
FORMATS



SAVING DATA
TO XLS. CSV
FORMATS



SAVING DATA
TO XLS. CSV
FORMATS



TRANSFER DATA TO
CAD, SPC OR OTHER
SOFTWARE



SAVING
GRAPH



SAVING
GRAPH



TRANSFER DATA TO
EXCEL OR OTHER
TABLE EDITORS



VOICE
MODE



VOICE
MODE

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



QUALITY
CONTROL
RESULTS



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

Available 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 °C

+8.0608
 0 mm

Re-calculation value to calibration conditions 20C
 7 types of materials 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

+8.0608

0 mm

WIRELESS status

PIN

Device

Auto start ON

PIN RESET



USB CONNECTION

Mode OFF

UART OFF

Keypad ON

CONFG

Windows

DISPLAY SETTING

Angle 0

Sleep off

Rotation 0, 90, 180, 270

Sleep mode

Brightness level

+8.0608

mm

0

8090'8+

MEMORY MANAGER SETTINGS

Mode

001

Folder

+0.0020

+000

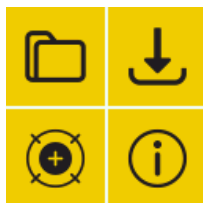
+1.5509

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: 000000

ID: 00000000

Information about firmware version

and MAC adress for easy connection





MICROTECH



NON-ROTATING SPINDLE

since 1995



www.microtech.ua



made in Ukraine



ISO 17025



ISO 9001:2015