Microtech 225170010 Computerized Push Pull Gauge User Manual

MICROTECH

COMPUTERIZED
PUSH PULL GAUGE

USER MANUAL

Calibration ISO 17025:2017

ISO 9001:2015

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SPECIFICATION

Item No	Range		Resolution	Accuracy	Peak function	Indication	Data output	Calibration
	N	lbF	N	%			Wireless	ISO 17025
225170010	1-10	0.2-2	0,001	0.25	Electronic PEAK* function	computerized MICS system with 1,54” touchscreen	Long range	+
225170050	2-50	1-11,5	0,001	0.25			Long range	+
225170100	5-100	1-22,5	0,001	0.25			Long range	+
225170500	10-500	2-112	0,001	0.25			Long range	+

* Activate MIN/MAX function on MICS indication system to use lelctronic PEAK function

TECHNICAL DATA

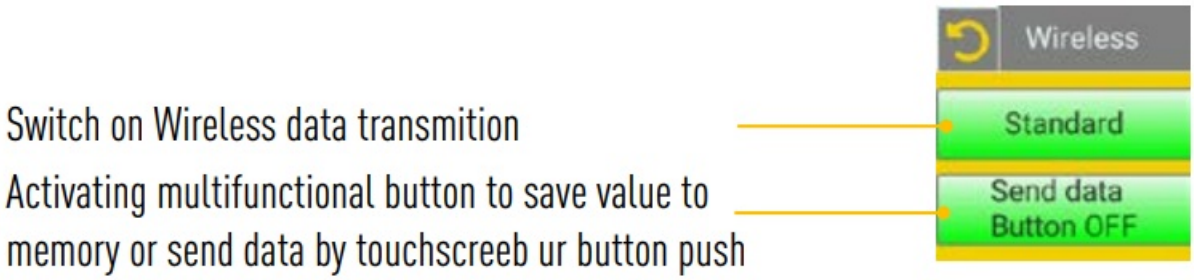
Parameters	
LED display	color 1,54 inch
Resolution	240×240
Indication system	MICS 3.0
Power supply	Rechargeable Li-Pol battery
Battery capacity	450mAh
Charging port	micro-USB
Case material	Aluminium
Buttons	Switch (Multifuntional), Reset
Wireless data transfer	Long range data transfer

CHARGING

BUILT-IN BATTERY – rechargeable Li-Pol battery For charging connect magnetic USB cable Charging process indicating on Battery status (switch on device)

WIRELESS DATA TRANSFER

Activate WIRELESS data transfer in WIRELESS menu



Connect instrument with MICS indication system to Tablet or PC Send data tp Tablet or PC:

- by Touchscreen
- by Multifactinal button psuh (activted in Wireless menu)
- by Timer (activated in Timer menu)
- from Internal Memory

MEMORY

For save measuring data to internal memory touch data area on screen or short button push. You can view saved data throw menu or send Wireless connection to Windows PC, Android or iOS devices.

Basic STATISTIC functions:
MAX - maximum saved value
MIN - minimum saved value
AVG - average value
D - variance VAR(x)

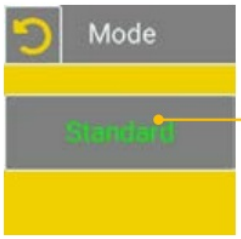
Saved values

Each value can be Deleted or Send to application

Button ALL select all values
All values can be Deleted or Send to application

MEMORY settings

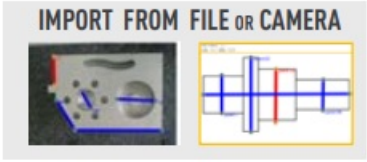
Memory sub-menu



Selecting Standard mode or No saving data to internal memory

CONNECTION

WIRELESS CONNECTION



USB-DONGLE

Windows

DOWNLOAD

https://microtech.ua/index.php?id_cms=28&controller=cms&id_lang=1

iOS

DOWNLOAD

https://apps.apple.com/us/app/microtech-data-systems/id1336434154#?platform=iphone

ANDROID

DOWNLOAD

https://play.google.com/store/apps/details?id=com.microtech.measurementsuite2

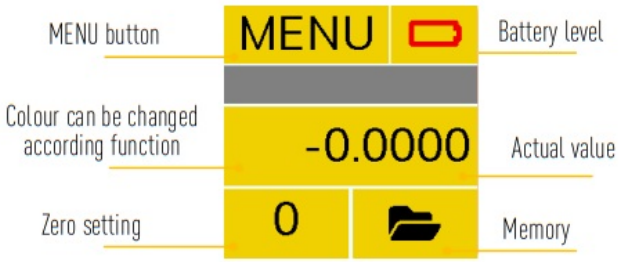
	SAVING DATA TO XLS. CSV FORMATS
	SAVING DATA TO XLS. CSV FORMATS
	SAVING DATA TO XLS. CSV FORMATS
	TRANSFER DATA TO CAD, SPC OR OTHERSOFTWARE
	SAVING GRAPH
	SAVING GRAPH
	TRANSFER DATA TO EXCEL OR OTHER TABLE EDITORS
	OICE MODE
	VOICE MODE
	QUALITY CONTROL RESULTS

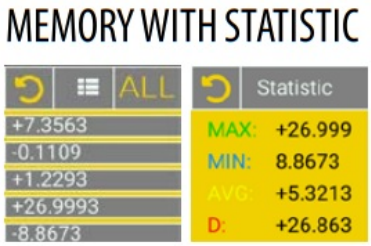
DATA TRANSFER DISTANCE FOR INTELLIGENT INSTRUMENTS

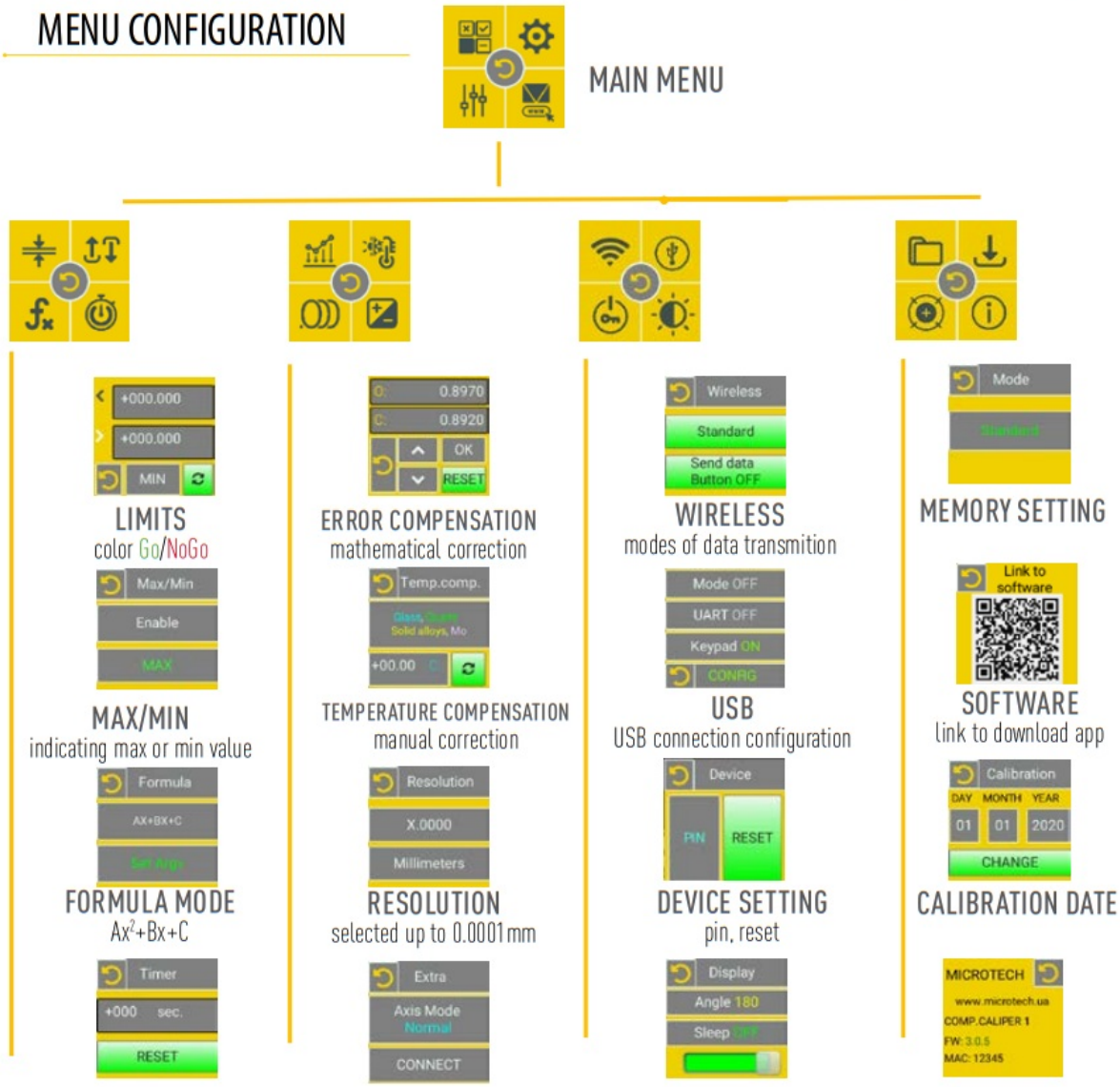
- All MICROTECH Intelligent instruments has internal memory. You can collect data to memory and when it will be neccesary transfer all data to the peripheral device with no data loosing.
- It’s possible transfer data, like in Wireless instruments up to 15 m or up 50 m with external antenna
- USB port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

MENU NAVIGATION

 USE TOUCHSCREEN TO OPERATE MENU



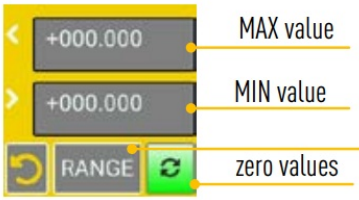




MICS SYSTEM FUNCTIONS

LIMITS GO/NOGO

MENU SETTING



Colour indication limits

MAX - NoGo more MAX value
MIN - NoGo less MIN value
RANGE - Go between MIN & MAX
NONE - disactivating mode

MAIN SCREEN INDICATION

NoGo Go

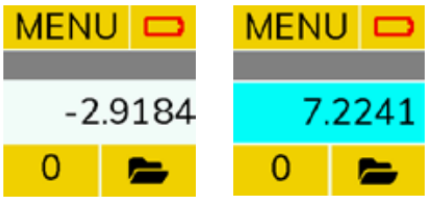
MAX/MIN

MENU SETTING

Indication and saving MAX or MIN values

ENABLE - activating mode
MAX - indicating MAX measured value
MIN - indicating MIN measured value

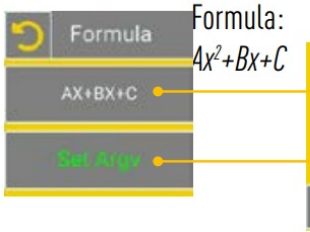
MAIN SCREEN INDICATION



MIN MAX

FORMULA

MENU SETTING



FORMULA Ax^2+Bx+C

EXAMPLE OF FORMULA USING

Standard measuring	A=0,	B=1,	C=0
PRESET 50mm	A=0,	B=1,	C=50
Value magnification x3	A=0,	B=3,	C=0
Square value	A=1,	B=0,	C=0

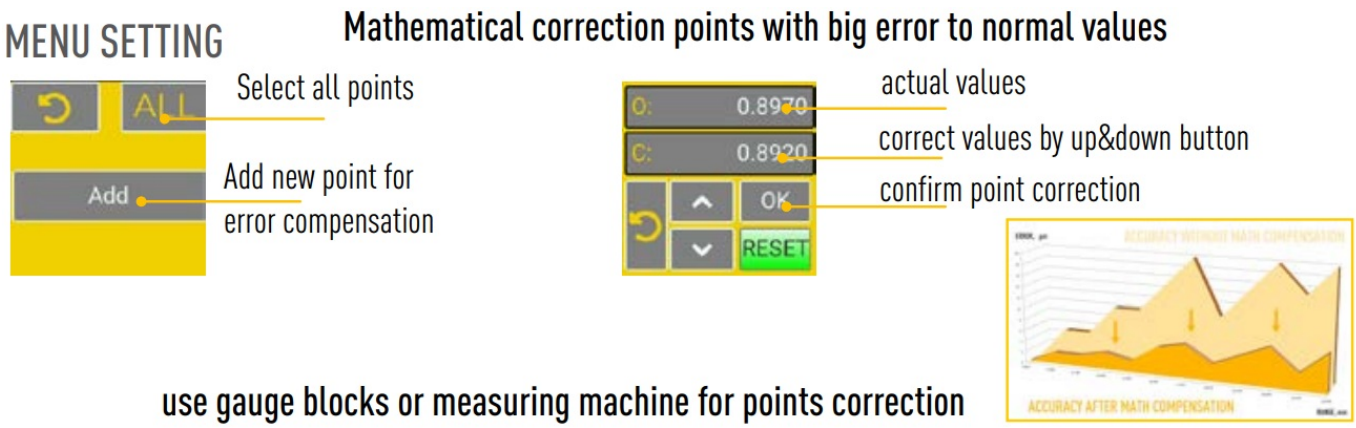
TIMER

MENU SETTING

Saving data to memory or sending Wireless by Timer

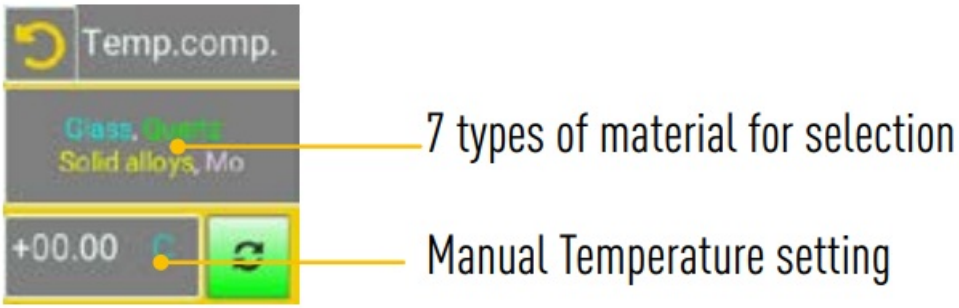
Select timer period
Reset to disactivate mode

MATHEMATICAL ERROR COMPENSATION



TEMPERATURE COMPENSATION

Re-calculation detail size to calibration conditions (20°C)



7 types of material:

- glass, quartz, solid alloys
- granite, graphite
- Fe, NI, Fe alloys
- stainless steel
- cooper, Cu alloys
- alluminium, al alloys
- acrylic sheet

RESOLUTION

EXTRA (Axis mode)

MENU SETTING

Selecting normal or inverted axis mode (+/- value indication)

Reading base reconnection for some types of calipers

WIRELESS CONNECTION

MENU SETTING

Activating or disactivating wireless data transfer

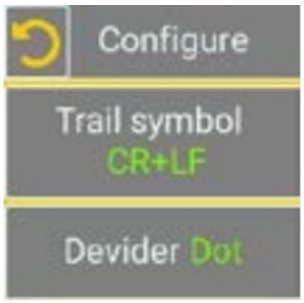
Switch on Wireless data transmition

Activating multifunctional button to save value to memory or send data by touchscreeb ur button push

USB CONNECTION

MENU SETTING

USB connection mode under construction



PIN & RESET

MENU SETTING

Activating PIN to device setting

RESET to factory settings

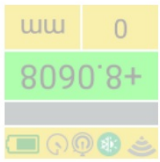
DISPLAY SETTING

MENU SETTING

DISPLAY ROTATION, BRIGHTNESS, SLEEPING MODE

Display rotation 0°, 90°, 180°, 270°

- Sleep OFF (15 s low brightness off, sleep off)
- Sleep 15s (15 s low brightness on, sleep off)
- Sleep ON (15 s low brightness on, sleep on)



MEMORY SETTINGS

MENU SETTING

Activating or disactivating saving values to memory

Standard - saving values to memory

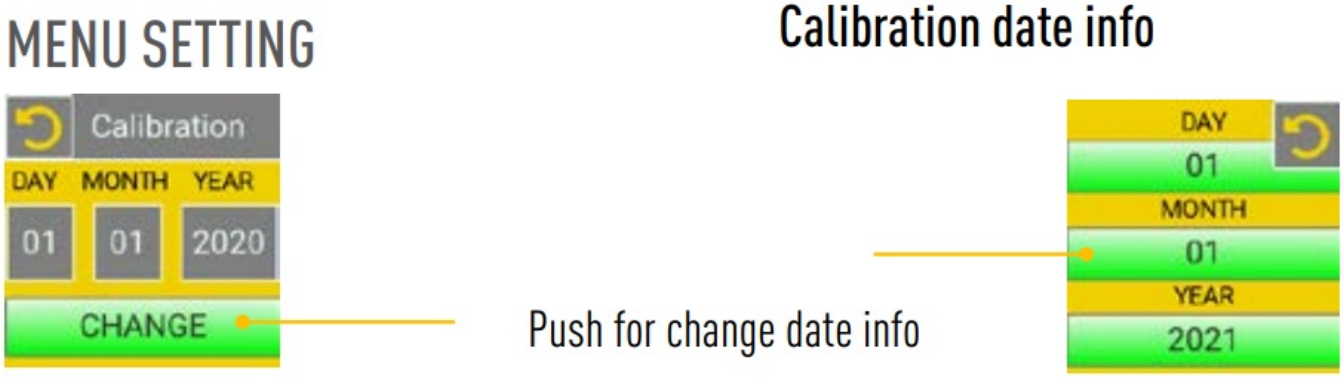
OFF - disable saving to memory

LINK TO SOFTWARE

MENU SETTING

https://microtech.ua/index.php?id_category=850&controller=category&id_lang=1

CALIBRATION DATE



DEVICE INFO

Information about device

- device name
- firmware version
- MAC adress for easy connection

DIMESIONAL DRAWINGS

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tool@microtech.ua
Change without prior notice

Documents / Resources

	Microtech 225170010 Computerized Push Pull Gauge [pdf] User Manual 225170010 Computerized Push Pull Gauge, 225170010, Computerized Push Pull Gauge, Push Pull Gauge, Pull Gauge, Gauge

References

- Main page - MICROTECH - Innovative measuring instruments