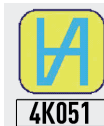




TRANSFORMER BORE GAUGE MICROTECH



ISO/IES 17025:2006 (cert. № 4K051)



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





1.MODIFICATIONS

Item No	Range	Resolution	Depth	Accuracy (Horizontal)	Error compensation	Internal memory	Indication	Data output	Camera vision system
	mm	mm	mm	mm		value			
131050722	18-50	0,001	1000	±0,006	+	100	Colour Touchscreen 1,5'	Wireless+USB	optional
131050744	18-50	0,001	2000	±0,009	+	100		Wireless+USB	optional
131050745	35-50	0,001	3000	±0,012	+	100		Wireless+USB	optional
131160722	50-160	0,001	1000	±0,007	+	100		Wireless+USB	optional
131160744	50-160	0,001	2000	±0,009	+	100		Wireless+USB	optional
131160755	85-160	0,001	5000	±0,012	+	100		Wireless+USB	optional
131160790	115-160	0,001	7000	±0,016	+	100		Wireless+USB	optional
131250722	160-250	0,001	1000	±0,009	+	100		Wireless+USB	optional
131250744	160-250	0,001	2000	±0,010	+	100		Wireless+USB	optional
131250755	160-250	0,001	5000	±0,015	+	100		Wireless+USB	optional
131250777	165-250	0,001	7000	±0,017	+	100		Wireless+USB	optional
131250790	205-250	0,001	10000	±0,020	+	100		Wireless+USB	optional
131450722	250-450	0,001	1000	±0,010	+	100		Wireless+USB	optional
131450744	250-450	0,001	2000	±0,015	+	100		Wireless+USB	optional
131450755	250-450	0,001	5000	±0,020	+	100		Wireless+USB	optional
131450790	250-450	0,001	10000	±0,025	+	100		Wireless+USB	optional
131800722	400-800	0,001	1000	±0,014	+	100		Wireless+USB	optional
131800744	400-800	0,001	2000	±0,020	+	100		Wireless+USB	optional
131800755	400-800	0,001	5000	±0,025	+	100		Wireless+USB	optional
131800790	400-800	0,001	10000	±0,030	+	100		Wireless+USB	optional
131900722	700-1000	0,001	1000	±0,015	+	100	Wireless+USB	optional	
131900744	700-1000	0,001	2000	±0,025	+	100	Wireless+USB	optional	
131900755	700-1000	0,001	5000	±0,030	+	100	Wireless+USB	optional	
131900790	700-1000	0,001	10000	±0,040	+	100	Wireless+USB	optional	

2.BUTTON FUNCTIONS



RESET button

(push once with a needle)

SWITCH ON button.

Push 5 sec for switch on micrometer

Push 1 sec to come to sleeping mode (or 30 sec non use)

Push 1 sec to come from sleeping mode (or rotate spindle)

Push 5 sec for switch off micrometer (or 15 min non use)





3. WIRELESS (BLUETOOTH) CONNECTION

- 3.1 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. So distance of data transfer can be unlimited!!! Also it's possible transfer data, like in Wireless instruments up to 10 m.
- 3.2 MICROTECH Wireless instruments has 2 modes of data transfer:
STANDART MODE (non stop data transfer 4data/sec)
ECONOMY MODE (GATT) (data transfer only by Wireless button push).
- 3.3 Available FREE and PRO version MICROTECH SPC Software for Windows, Android, iOS systems.

4. CAMERA CONNECTION (OPTIONAL)

- 4.1 Install camera on dial bore gauge head.
 4.2 Connect Wireless camera with PC or Tablet according camera instruction.
 4.3 Camera has Built in battery for transfer data without external energy supplying

5. DIAL BORE GAUGE ASSEMBLING

- 5.1 Assembling must be according assembling Video instruction on MICROTECH web site.
 5.2 Assembling transformer bore gauge according marking on bore gauge modules: 1-> 2-> 3->. Fix them with wrenches. Change measuring heads according necessary range (optional).
 5.4 Measuring heads has slot for installing camera (optional). If necessary install camera to slot, fix camera wire on measuring modules. Camera data transmitter must be close to bore gauge intelligent indicator for stability data transfer video from camera.
 5.5 Install Intelligent indicator to bore gauge. Intelligent indicator has rechargeable Li-Pol battery.
 5.6. Disassembling in inverse direction





6. INTELLIGENT FUNCTIONS

COLOR TOUCHSCREEN

- ZERO SETTING
- mm/inch
- BATTERY LEVEL

SETTING MENU

Settings

- SELECTING SETTINGS
- DEVICE SETTING
- EXTRA (math. correction)
- SYSTEM
- ABOUT

HIGHEST RESOLUTION

RESOLUTION UP TO 0,1 micron

INTERNAL MEMORY

- SAVING VALUES
- TRANSFER VALUES FROM MEMORY WIRELESS TO PC OR TABLET

RECHARGEABLE BATTERY

SWITCH ON CHARGING DEVICE FOR INTERNAL LI-POL BATTERY CHARGING
RECOMMENDED TO STARTING CHARGING WHEN DEVICE SWITCH OFF

BLUETOOTH DATA TRANSFER

- SWITCH ON/OFF BLUETOOTH DATA TRANSFER
- SELECTING BLUETOOTH TRANSFER MODE
- SELECT TRANSFER ON TIMER

GO/NOGO FUNCTIONS

SETTING TOLERANCES and WARNING LIMITS

- Green - Go
- Red -NoGo

MIN/MAX FUNCTIONS

INDICATING MIN or MAX value

DISPLAY ORIENTATION

SELECTING DISPLAY ORIENTATION ANGLE

TIMER MODE

ACTIVATING SAVING VALUE TO MEMORY ON TIMER

FORMULA MODE

SETTING ARGUMENTS

EXAMPLES:

- for value magnification x2 - B=2
- set base of value 100mm C=100
- square value A=1

ENERGY MODE

AUTOSWITCH ON/OFF

ERROR COMPENSATION

INCREASING DEVICE ACCURACY

- compensate current value to correct value (use gauge block)
- more points improve accuracy
- error compensation also will be between corrected values

TEMPERATURE COMPENSATION

Compensation for temperature expansion materials:

- Glass, Steel, Aluminium, Cooper
- Manual or Automatic mode
- Built in temperature sensor

USB DATA TRANSFER

USB DATA TRANSFER MODE

- UART - transfer to MDS Software
- Keyboard mode - transfer to any Windows software