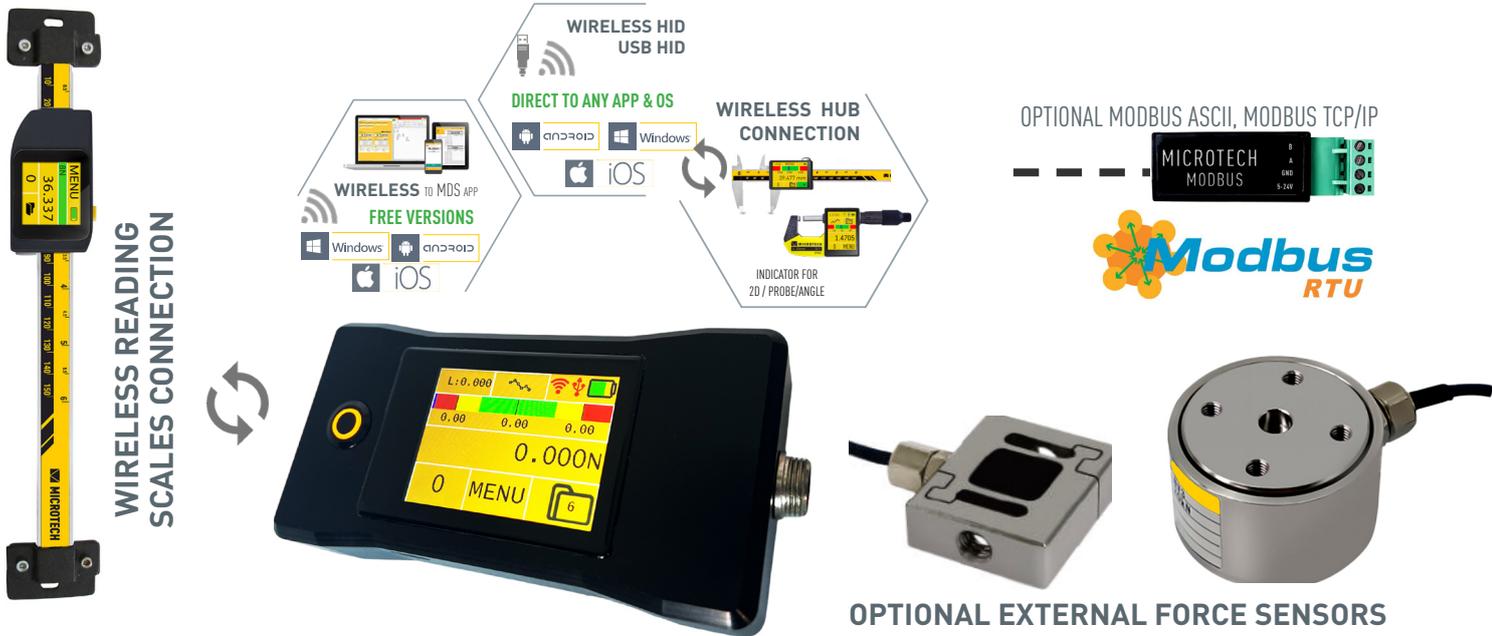# MICROTECH

DataMet FORCE GAUGE FOR EXTERNAL SENSORS

- Industry 4.0 adopted DataMet FORCE GAUGE with computerized MICS system with 2,4" color Touchscreen
- EXTERNAL force sensors 100000N
- Functions: On-line Graphic, Analog scale, Go/NoGo, Max/Min, Formula, Timer, Linear correction
- Measuring HUB: Wireless MICROTECH instrument connection, Synchronization, 2D mode, 2D Graph
- Memory manager: 2000 values, Folders system, Statistics mode, Memory data transfer
- 4 MODES DATA TRANSFER: WIRELESS to MDS app (Windows, Android, iOS, MacOS); WIRELESS HID, WIRELESS HID+MAC, USB HID
- Modification MODBUS RTU data output (RS-485, 4-wire, 5-24V, GND, A, B) for industrial connections
- MODBUS ASCII, MODBUS TCP/IP for request
- Calibration certificate included (ISO17025 (Ilac MRA))

WIRELESS HID
USB HID

DIRECT TO ANY APP & OS
android Windows
iOS

WIRELESS to MDS app
FREE VERSIONS
Windows android
iOS

WIRELESS HUB CONNECTION

INDICATOR FOR
2D / PROBE/ANGLE

OPTIONAL MODBUS ASCII, MODBUS TCP/IP
MICROTECH MODBUS

Modbus RTU

WIRELESS READING SCALES CONNECTION

MENU
36.337
0
0.00 0.00 0.00
0.000N
0 MENU

OPTIONAL EXTERNAL FORCE SENSORS

Item No	External sensors	Accuracy %	Measuring HUB	Analog scale	Graphic	Preset	Go/NoGo	Max/Min	Formula	Timer	Temp comp	Linear corr	Calibr date	FW update	Recharge	Memory	WIRELESS	USB	MODBUS RTU	MODBUS ASCII	MODBUS TCP/IP
225170707	1	0.3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●			
225170707M	1		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	o	o

DOWNLOAD APP

Download Windows App

Download on the App Store

GET IT ON Google play

MODBUS protocol

VIDEO

DataMet interface

CONNECTION possibilities

DELIVERY SET

FREE VERSIONS OF MDS APP

USB DATA/CHARGING CABLE

ilac-MRA
CALIBRATION PROTOCOL

MICROTECH MODBUS
Modbus RTU

OPTIONAL

DATAMET BUTTON

DATAMET FOOTSWITCH

MDS DISPLAY UNIT

MDS SOFTWARE
STANDARD MDS app

TEST STANDS
MICROTECH

COMPUTERIZED READING SCALE

EXTERNAL SENSOR

Ukrainian Creativity- German Reliability since 1995 ilac-MRA IEC/ISO 17025 Ilac ISO9001:2015

FORCE SENSORS S-TYPE PUSH-PULL

Item No	Type	Force			Linea-rity	Hyste-resis	Repea-tability	Dimen-sion	Thread holes
		N	kg	lbF	%	%	%	mm	
225110001		1	0,1	0,23					2xM3
225171002		5	0,5	1,12					
225110003		10	1	2,25	0,05	0,05	0,05	16x19	
225110004		50	5	11,2					
225110005		100	10	22,5					2xM4
225110006	FSPP	Push Pull	500	50	112				
225110007		1000	100	225					
225110008		5000	500	1120				50x76	
225110009		10000	1000	2250	0,03	0,03	0,03		2xM12
225110010		50000	5000	11200				76x108	
225110011		100000	10000	22500				130x178	

FORCE SENSORS ROUND-TYPE PUSH-PULL

Item No	Type	Force			Linea-rity	Hyste-resis	Repea-tability	Diameter	
								Base	Load
		N	kg	lbF	%	%	%	mm	mm
225120001			100	10	22,5				
225120002		500	50	112					
225120003	FOPP	Push Pull	1000	100	225	0,1	0,1	0,1	41	36
225120004		5000	500	1120					
225120005		10000	1000	2250					
225120006		20000	2000	4500					

FOPP round sensor

FORCE SENSORS ROUND-TYPE PUSH

Item No	Type	Force			Linea-rity	Hyste-resis	Repea-tability	Diameter	
								Base	Load
		N	kg	lbF	%	%	%	mm	mm
225130001		1000	100	225					
225130002		5000	500	1120					13
225130003	FOP	Push	10000	1000	2250	0,2	0,1	0,1	50	
225130004		50000	5000	11200					16
225130005		100000	10000	22500					21

FOP round sensor