MICROTECH

INTERNAL DataMet CALIPER GAUGE CONE

**DATAMET MULTIFUNCTIONAL
ROUND 1.8'' TOUCHSCREEN DISPLAY**

WIRELESS HID
USB HID
DIRECT TO ANY APP & OS

WIRELESS TO MDS APP
FREE VERSIONS

WIRELESS HUB
CONNECTION

INDICATOR FOR
2D / PROBE/ANGLE

MICROTECH

MICROTECH

21.529

0.0002mm

R 0.3
R 0.5

Form A CONE R 0,3, R 0.5

1μm

SWISS
READING
SYSTEM

ADJUSTABLE SCALES

MICROTECH

0.7772

0.0002mm

0.0038

MICROTECH

0.0002mm

MICROTECH

11.5774

0.0002mm

MICROTECH

+11.7551

mm

ANALOG   COMPARATOR   DIGITAL   DIGITAL BLACK

DATAMET FUNCTIONS

2.1113 — 1.00 1.50 2.00 — 1.4705 — 0 MENU 177	L:0.000 MENU — 0.000 0.000 0.000 — 4 029mm — 0 7N	L:0.000 MENU — 0.000 0.000 0.000 — 4 029mm — 0 7N
ANALOG SCALE	**COLOR GO / NOGO**	**COLOR MAX / MIN / RANGE**

TIMER
0.000 sec
RESET

TIMER

Setting
reply 1   Auto
PRECISION   Sensor 1
D = 1.000000

TOUCH PROBE SETTINGS

Formula
AX²+Bx+C
Set Argv

FORMULA Ax²+Bx+C

14.1936 average:5.7457 — -0.0004 50 points 21	Stat All Mode — 1: 12.009 — 2: 36.646 — 3: 29.090 — 4: 23.070 — 5: 56.624	Stat All Mode — Page 1/1 — 5 5 5 2
GRAPHIC MODE 1D/2D	**MEMORY 2000 values**	**FOLDERS mode**

Statistics
MAX: 59.9510
MIN: 6.0090
AVG: 21.1826
D: 204.9000

MEMORY STATISTICS

Temp.com.
Glass,Qartz,Mo
20.00 Cº   RES

TEMPERATURE COMPENSATION

Menu   OFF
Memory   OFF
PIN: 0

PASSWORD

Display
Angle 270
Sleep OFF   Touch OFF

DISPLAY & ENERGY

Resolution
X.000
mm
Normal

RESOLUTION, mm/inch

MDS MODE
Ultra Power   CLEAR

WIRELESS to MDS app

HID MODE
AD:FE TA
M:A:C t
Arr do
Eco Power   CLEAR

WIRELESS & USB HID

0   P   0.334
0   75.573
MENU   177

HUB mode (2D, Probe)

MICROTECH MICRON CALIPER
FW: 4.5.3 Op time: 0h
Calibration 1.1.2025
MAC: F7:5B:B8:C0:95:88
MANUAL

DEVICE INFO, UPDATE

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

INTERNAL DataMet CALIPER GAUGE CONE

- **Industry 4.0** adopted **DataMet** Internal caliper gauge with computerized MICS system with hi-res Round 1,8" color Touchscreen
- **Contacts:** CONE (R0.3/R0.5)
- **Functions:** Go/NoGo, Max/Min, Formula, Timer, Linear correction, Temperature correction, Resolution selecting, Connection status
- **Memory manager:** 50000 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))

INTERNAL DataMet CALIPER GAUGE

Item No	Range	Span	Depth	Groove depth	Measur contact	Contact points	Reso-lution	Repea-tability	Accu-racy	Preset	Go/NoGo	Max/Min	Formula	Timer	Temp comp	Linear corr	Calibr date	FW update	Recharge	Memory	WIRELESS	USB
	mm	mm	mm	mm	mm	mm	mm	mm	µm													
134102507	5-25	20	35	1	1,5	Cone R 0,3	0,001	0,005	±15	•	•	•	•	•	•	•	•	•	•	Folders /	Long range	USB HID /
134104007	20-40	20	80	3	6,5	Cone R 0,5		0,005	±15	•	•	•	•	•	•	•	•	•	•			
134106007	40-60	20	80	3	8,5			0,005	±15	•	•	•	•	•	•	•	•	•	•			

MODBUS INTERNAL DataMet CALIPER GAUGE

Item No	Range	Span	Depth	Groove depth	Measur contact	Contact points	Reso-lution	Repea-tability	Accu-racy	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
	mm	mm	mm	mm	mm	mm	mm	mm	µm																
134102507M	5-25	20	35	1	1,5	Cone R 0,3	0,001	0,005	±15	•	•	•	•	•	•	•	•	•	•	Folders /	Long range	USB HID /	•	option	option
134104007M	20-40	20	80	3	6,5	Cone R 0,5		0,005	±15	•	•	•	•	•	•	•	•	•	•				•		
134106007M	40-60	20	80	3	8,5			0,005	±15	•	•	•	•	•	•	•	•	•	•				•		

DELIVERY SET

FREE VERSIONS OF MDS APP

USB DATA/CHARGING CABLE

ilac-MRA
CALIBRATION PROTOCOL

DataMet interface

CONNECTION possibilities

MODBUS protocol

DOWNLOAD MDS app WINDOWS
Windows

DOWNLOAD MDS app iOS, MacOS
macOS iOS

DOWNLOAD MDS app ANDROID
android

OPTIONAL

DataMet BUTTON

DataMet FOOTSWITCH

MDS DISPLAY UNIT

MDS SOFTWARE
STANDARD MDS app