INTERNAL DataMet CALIPER GAUGE BALL

DATAMET MULTIFUNCTIONAL ROUND 1.8˝ TOUCHSCREEN DISPLAY

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

MICROTECH
137.592
0.0002mm

1μm

SWISS READING SYSTEM

12

Ø1-2
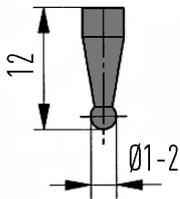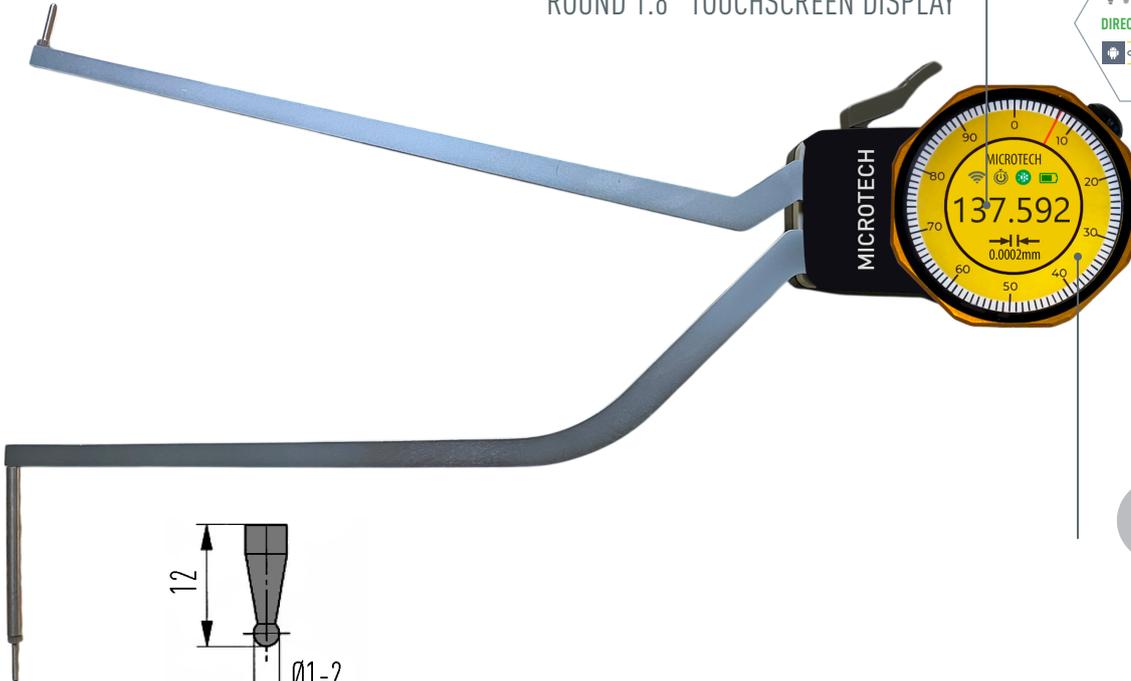
Form D BALL Ø 1 , Ø 2

ADJUSTABLE SCALES

MICROTECH
0.7772
0.0002mm

ANALOG

0.0038
MICROTECH
0.0002mm

COMPARATOR

MICROTECH
11.5774
0.0002mm

DIGITAL

MICROTECH
+11.7551
mm

DIGITAL BLACK

DATAMET FUNCTIONS

2.1113 / 1.00 1.50 2.00 / 1.4705 / 0 MENU 177	**ANALOG SCALE**
L:0.000 MENU / 0.000 0.000 0.000 / 4 029mm / 0 7N	**COLOR GO / NOGO**
L:0.000 MENU / 0.000 0.000 0.000 / 4 029mm / 0 7N	**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	**GRAPHIC MODE 1D/2D**
Stat All Mode / 1: 12.009 / 2: 36.646 / 3: 29.090 / 4: 23.070 / 5: 56.624	**MEMORY 2000 values**
Stat All Mode / Page 1/1 / 5 5 5 2	**FOLDERS mode**
Statistics / MAX: 59.9510 / MIN: 6.0090 / AVG: 21.1826 / D: 204.9000	**MEMORY STATISTICS**
Temp.com. / Glass,Qartz,Mo / 20.00 c° 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 Powe 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**

INTERNAL DataMet CALIPER GAUGE BALL

- **Industry 4.0** adopted **DataMet** Internal caliper gauge with computerized MICS system with hi-res Round 1,8" color Touchscreen
- **Contacts:** BALL (Ø2)
- **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													
134101547	5-15	10	35	0,8	2,3			0,005	±10	•	•	•	•	•	•	•	•	•	•	Folders / 2000 val	Long range / HID	USB HID / Update
134103047	10-30	20	85	1,2	5,2			0,005	±20	•	•	•	•	•	•	•	•	•	•			
134105047	30-50	20	85	2	7,2	Ball Ø 2	0,001	0,005	±25	•	•	•	•	•	•	•	•	•	•			
134110047	50-100	50	235	2	11,7			0,02	±40	•	•	•	•	•	•	•	•	•	•			
134115047	100-150	50	235	2	11,7			0,02	±50	•	•	•	•	•	•	•	•	•	•			
134120047	150-200	50	235	2	11,7			0,02	±50	•	•	•	•	•	•	•	•	•	•			

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																
134101547M	5-15	10	35	0,8	2,3			0,005	±10	•	•	•	•	•	•	•	•	•	•	Folders / 2000 val	Long range / HID	USB HID / Update	•	option	option
134103047M	10-30	20	85	1,2	5,2			0,005	±20	•	•	•	•	•	•	•	•	•	•				•		
134105047M	30-50	20	85	2	7,2	Ball Ø 2	0,001	0,005	±25	•	•	•	•	•	•	•	•	•	•				•		
134110047M	50-100	50	235	2	11,7			0,02	±40	•	•	•	•	•	•	•	•	•	•				•		
134115047M	100-150	50	235	2	11,7			0,02	±50	•	•	•	•	•	•	•	•	•	•				•		
134120047M	150-200	50	235	2	11,7			0,02	±50	•	•	•	•	•	•	•	•	•	•				•		

DELIVERY SET

FREE VERSIONS OF MDS APP

USB DATA/CHARGING CABLE

ilac-MRA
CALIBRATION PROTOCOL

DataMet interface

CONNECTION possibilities

DOWNLOAD MDS app WINDOWS — Windows

DOWNLOAD MDS app iOS, MacOS — macOS / iOS

OPTIONAL

DataMet BUTTON

DataMet FOOTSWITCH

MDS DISPLAY UNIT

MDS SOFTWARE
STANDARD MDS app

MODBUS protocol

DOWNLOAD MDS app ANDROID — android