

# Microgauge Internal Micrometer



## 2-POINT BORE GAUGE

The new Micro Gauge 2-point bore gauging system has been designed specifically for the measurement of small bores between 1.0-10.0mm. Featuring a completely new digital readout and extremely compact overall dimensions, the Micro Gauge is truly a pocket-sized instrument. Digital readout and measuring head together are about the same size and format as a ballpoint pen which represents a big advantage for those needing to measure small precision parts and who need to have their gauge with them all the time. The clear LCD display is easily set using only two buttons and results are shown with switchable 0.01/0.001/0.0005mm resolution. Data transfer is via Proximity-RS232 or Proximity-USB output. The measuring heads are equipped with spherical hard-chromed contact points and are set in appropriate setting rings. Like all Bowers bore gauging products the MicroGauge system is available as individual instruments or as full sets.

### TECHNICAL SPECIFICATION: Individual measuring set includes measuring head, cone, readout and setting ring

Measuring Head Code	Range (mm)	Range (Inch)	Min/Max Measuring Depth (mm)	Digital Readout	Cone	Setting Ring Code	Setting Ring (mm)
MGS11	0.95-1.15	0.037-0.045"	0.6 / 11	MGU1	MGC1	MGR100	1.00
MGS12	1.07-1.25	0.042-0.049"	0.6 / 11	MGU1	MGC1	MGR110	1.10
MGS13	1.17-1.35	0.046-0.053"	0.6 / 11	MGU1	MGC1	MGR120	1.20
MGS14	1.27-1.45	0.050-0.057"	0.6 / 11	MGU1	MGC1	MGR130	1.30
MGS15	1.37-1.55	0.054-0.061"	0.6 / 11	MGU1	MGC1	MGR140	1.40
MGS16	1.50-1.90	0.059-0.075"	0.9 / 17	MGU2	MGC2	MGR175	1.75
MGS17	1.80-2.20	0.071-0.087"	0.9 / 17	MGU2	MGC2	MGR200	2.00
MGS18	2.05-2.45	0.081-0.096"	0.9 / 17	MGU2	MGC2	MGR225	2.25
MGS19	2.25-2.75	0.089-0.108"	1.2 / 22	MGU2	MGC3	MGR250	2.50
MGS20	2.50-3.00	0.098-0.118"	1.2 / 22	MGU2	MGC3	MGR275	2.75
MGS21	2.75-3.25	0.108-0.128"	1.2 / 22	MGU2	MGC3	MGR300	3.00
MGS22	3.00-3.50	0.118-0.138"	1.2 / 22	MGU2	MGC3	MGR325	3.25
MGS23	3.25-3.75	0.128-0.148"	1.2 / 22	MGU2	MGC3	MGR350	3.50
MGS24	3.50-4.00	0.138-0.157"	1.2 / 22	MGU2	MGC3	MGR375	3.75
MGS25	3.75-4.25	0.148-0.167"	1.2 / 22	MGU2	MGC3	MGR400	4.00
MGS26	3.65-4.35	0.144-0.171"	2.0 / 40	MGU2	MGC4	MGR400	4.00
MGS27	4.15-4.85	0.163-0.191"	2.0 / 40	MGU2	MGC4	MGR450	4.50
MGS28	4.65-5.35	0.183-0.211"	2.0 / 40	MGU2	MGC4	MGR500	5.00
MGS29	5.15-5.85	0.203-0.230"	2.0 / 40	MGU2	MGC4	MGR550	5.50
MGS30	5.65-6.35	0.222-0.250"	2.0 / 40	MGU2	MGC4	MGR600	6.00
MGS31	6.15-6.85	0.242-0.270"	2.0 / 40	MGU2	MGC4	MGR650	6.50
MGS32	6.65-7.35	0.262-0.290"	2.0 / 40	MGU2	MGC4	MGR700	7.00
MGS33	7.15-7.85	0.281-0.309"	2.0 / 40	MGU2	MGC4	MGR750	7.50
MGS34	7.65-8.35	0.301-0.329"	2.0 / 40	MGU2	MGC4	MGR800	8.00
MGS35	8.15-8.85	0.321-0.349"	2.0 / 50	MGU2	MGC4	MGR850	8.50
MGS36	8.65-9.35	0.340-0.368"	2.0 / 50	MGU2	MGC4	MGR900	9.00
MGS37	9.15-9.85	0.360-0.388"	2.0 / 50	MGU2	MGC4	MGR950	9.50
MGS38	9.65-10.35	0.380-0.408"	2.0 / 50	MGU2	MGC4	MGR1000	10.00

### SETS: Including digital readout, measuring heads, cone, depth stops and setting rings.

Code No.	Range (mm)
SMG001M	0.95-1.55
SMG002M	1.50-2.45
SMG003M	2.25-4.25
SMG004M	3.65-6.35
SMG005M	6.15-10.35

### LARGE SETS: including digital readout, measuring heads, cone, depth stops and setting rings.

Code No.	Range (mm)
SMG010M	0.95-2.45
SMG011M	1.50-4.25
SMG012M	2.25-6.35

## FEATURES

- System range: 1-10 mm
- New slim-line digital display
- Switchable resolution 0.01 / 0.001 / 0.0005 mm
- Simple 2-button operation
- Clear LCD display
- Data output: RS232 / USB proximity sensor
- Linearity: -Diameter 1.0-1.5 max 2% of measuring travel, min 0.001 mm  
-Diameter 1.5-10 max 1% of measuring travel, min 0.001 mm
- Repeatability : 0.001 mm
- Hard-chromed ball-contacts
- Depth-stops available
- Stand available as an option
- After sales service

