

Bowers MicroGauge 2-Point Bore Gauge

The new MicroGauge 2-point bore gauging system has been designed specifically for the measurement of small bores between 1.0-6.0mm. Featuring a completely new digital readout and extremely compact overall dimensions, the MicroGauge 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. All setting rings are supplied as standard with UKAS certification.



Depth Stop

Features

- System range: 1-6mm
- New slimline digital display
- Switchable resolution 0.01/0.001/0.0005mm
- 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 0.001mm.
Diameter 1.5-6 max 1% of measuring travel, min 0.001mm
- Repeatability : 0.001mm
- Available as individual instruments or sets
- UKAS-certificates as standard with all setting rings
- Hard-chromed ball-contacts
- Depth-stops available
- Stand available as an option





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TECHNICAL SPECIFICATION: Individual measuring heads, readouts and setting rings

Measuring Head	Range (mm)	Range (Inch)	Min/Max Measuring Depth (mm)	Digital Readout	Cone	Setting Ring (mm)
MG011W	0.95-1.15	0.037-0.045	0.6 / 11	MGU1	MGC1	MGR100
MG012W	1.07-1.25	0.042-0.049	0.6 / 11	MGU1	MGC1	MGR110
MG013W	1.17-1.35	0.046-0.053	0.6 / 11	MGU1	MGC1	MGR120
MG014W	1.27-1.45	0.050-0.057	0.6 / 11	MGU1	MGC1	MGR130
MG015W	1.37-1.55	0.054-0.061	0.6 / 11	MGU1	MGC1	MGR140
MG016W	1.50-1.90	0.059-0.075	0.9 / 17	MGU2	MGC2	MGR175
MG017W	1.80-2.20	0.071-0.087	0.9 / 17	MGU2	MGC2	MGR200
MG018W	2.05-2.45	0.081-0.096	0.9 / 17	MGU2	MGC2	MGR225
MG019W	2.25-2.75	0.089-0.108	1.2 / 22	MGU2	MGC3	MGR250
MG020W	2.50-3.00	0.098-0.118	1.2 / 22	MGU2	MGC3	MGR275
MG021W	2.75-3.25	0.108-0.128	1.2 / 22	MGU2	MGC3	MGR300
MG022W	3.00-3.50	0.118-0.138	1.2 / 22	MGU2	MGC3	MGR325
MG023W	3.25-3.75	0.128-0.148	1.2 / 22	MGU2	MGC3	MGR350
MG024W	3.50-4.00	0.138-0.157	1.2 / 22	MGU2	MGC3	MGR375
MG025W	3.75-4.25	0.148-0.167	1.2 / 22	MGU2	MGC3	MGR400
MG026W	3.65-4.35	0.144-0.171	2.0 / 40	MGU2	MGC4	MGR400
MG027W	4.15-4.85	0.163-0.191	2.0 / 40	MGU2	MGC4	MGR450
MG028W	4.65-5.35	0.183-0.211	2.0 / 40	MGU2	MGC4	MGR500
MG029W	5.15-5.85	0.203-0.230	2.0 / 40	MGU2	MGC4	MGR550
MG030W	5.65-6.35	0.222-0.250	2.0 / 40	MGU2	MGC4	MGR600

SETS: including digital readout, measuring heads, depth stops and setting rings with UKAS certificate

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

LARGE SETS: including digital readout, measuring heads, depth stops and setting rings with UKAS certificate

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

STANDARD DEPTH STOP

Code No	Range (mm)
MGSTOP1	0.95-1.55
MGSTOP2	1.50-2.45
MGSTOP3	2.25-4.25
MGSTOP4	3.65-6.35

DATA TRANSMISSION

Code No	Description
OUTP005	Wireless Proximity Module
OUTP006	Sylvac Proximity USB



MicroGauge with proximity cable