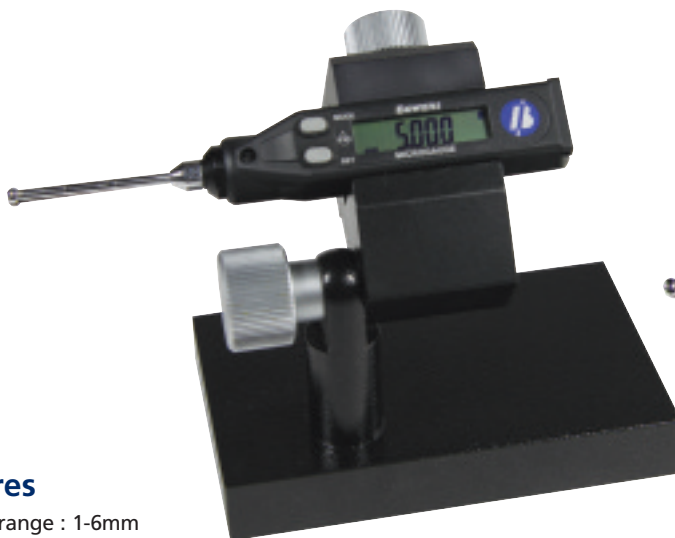


Bowers MicroGauge 2-Point Bore Gauge Sets

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.



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

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

LARGE SETS: including digital readout, measuring heads 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

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

DATA TRANSMISSION

Code No	Description
25-604-064	Wireless Proximity Module
30-926-6721	Sylvac Proximity USB



MicroGauge with proximity cable

Bowers MicroGauge 2-Point Bore Gauge

TECHNICAL SPECIFICATION: Individual measuring heads, readouts and setting rings

Measuring Head	Range (mm)	Min/Max Measuring Depth (mm)	Digital Readout	Cone	Setting Ring	(mm)
MG011W	0.95-1.15	0.6 / 11	MGU1	MGC1	MGR100	1.00
MG012W	1.07-1.25	0.6 / 11	MGU1	MGC1	MGR110	1.10
MG013W	1.17-1.35	0.6 / 11	MGU1	MGC1	MGR120	1.20
MG014W	1.27-1.45	0.6 / 11	MGU1	MGC1	MGR130	1.30
MG015W	1.37-1.55	0.6 / 11	MGU1	MGC1	MGR140	1.40
MG016W	1.50-1.90	0.9 / 17	MGU2	MGC2	MGR175	1.75
MG017W	1.80-2.20	0.9 / 17	MGU2	MGC2	MGR200	2.00
MG018W	2.05-2.45	0.9 / 17	MGU2	MGC2	MGR225	2.25
MG019W	2.25-2.75	1.2 / 22	MGU2	MGC3	MGR250	2.50
MG020W	2.50-3.00	1.2 / 22	MGU2	MGC3	MGR275	2.75
MG021W	2.75-3.25	1.2 / 22	MGU2	MGC3	MGR300	3.00
MG022W	3.00-3.50	1.2 / 22	MGU2	MGC3	MGR325	3.25
MG023W	3.25-3.75	1.2 / 22	MGU2	MGC3	MGR350	3.50
MG024W	3.50-4.00	1.2 / 22	MGU2	MGC3	MGR375	3.75
MG025W	3.75-4.25	1.2 / 22	MGU2	MGC3	MGR400	4.00
MG026W	3.65-4.35	2.0 / 40	MGU2	MGC4	MGR400	4.00
MG027W	4.15-4.85	2.0 / 40	MGU2	MGC4	MGR450	4.50
MG028W	4.65-5.35	2.0 / 40	MGU2	MGC4	MGR500	5.00
MG029W	5.15-5.85	2.0 / 40	MGU2	MGC4	MGR550	5.50
MG030W	5.65-6.35	2.0 / 40	MGU2	MGC4	MGR600	6.00

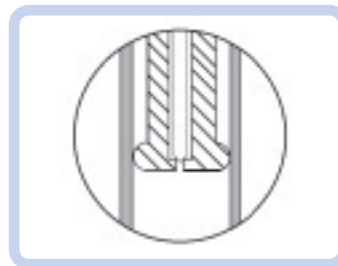
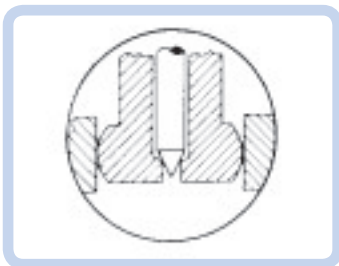
Split-Ball Bore Gauges

The **Split-ball bore gauging system** is modular, allowing various types of indicator to be fitted and can measure bores as small as 0.47mm.

Each inner knife edge of the split ball makes single point contact with the accurately ground cone.

Blind hole contacts have sharp radiused edges, permitting checks close to the bottom of the hole.

The slim line (T series) probes permit high accuracy deep hole exploration of small bores.



Checking Stands

In combination with split-ball probes, checking stands offer a safe basis for an exact and fast bore gauging (measuring of \varnothing , bell mouth, conical form, barrel shape, roundness etc.) Search for reversal point is omitted. Amount of stroke can be set precisely.

CHECKING STAND

Code No	Description
MST-58	Checking Stand
SH-T	Floating Holder

Shown with optional SH-T floating holder



WiFi

see p249 for wireless options

RS232