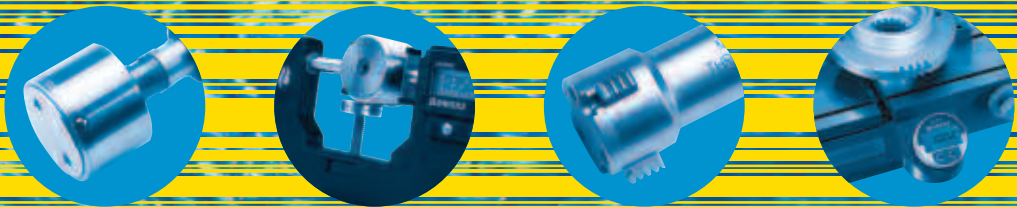




BOWERS METROLOGY

Partners In Precision



Product Summary

XT ANALOGUE BORE GAUGE

Bowers XT Analogue Bore Gauges are an economical solution to accurate shop-floor bore measurement. Application range, 2-300mm (300 – 500mm available on request). Micrometers and setting rings are supplied with UKAS certification.



SMARTPLUGS

High-precision dedicated plug gauges. To measure bore diameters between 6 -280 mm. Bodies available in steel, hard-chrome and TiN coated. Standard or blind-bore measurement. Ball-contacts of tungsten-carbide, ceramic or ruby.



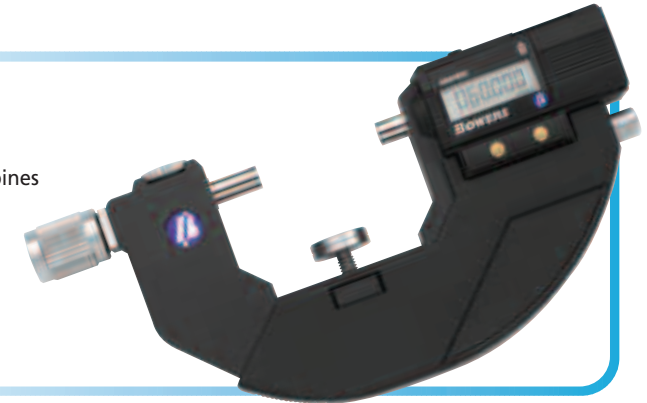
XT HOLEMATIC

The Bowers XT Holematic bore gauge incorporates an ergonomic pistol grip handle with an advanced trigger action. Application range of 2 to 300mm (300 – 500mm available on request). UKAS certification of both measuring head and setting ring as standard.



SNAPMIC

The ingenious Bowers Snapmic combines the attributes of an advanced digital micrometer with those of a quality, shop-floor proof snap-gauge. Two versions: 0-30mm and 30-60mm. Measuring travel: 7mm



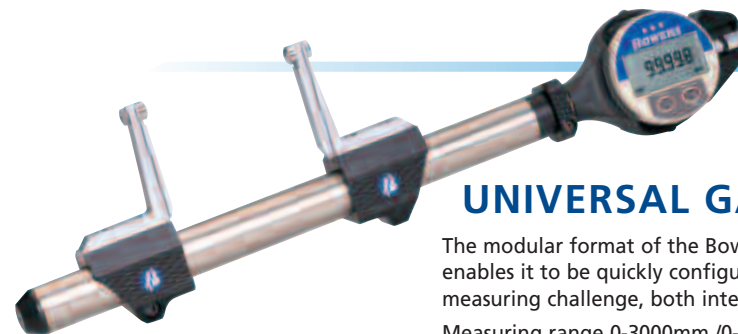
XT DIGITAL BORE GAUGE

Bowers XT digital internal micrometers give the operator the advantage of traditional quality ratchet gauges allied to advanced electronics. Range 2 – 300mm (300 – 500mm available on request). UKAS certification of both measuring head and setting ring as standard.



UNIVERSAL GAUGE

The modular format of the Bowers Universal Gauge enables it to be quickly configured to suit almost any measuring challenge, both internal and external. Measuring range 0-3000mm /0-118" (with added extensions).



UNIVERSAL BENCH GAUGE

The addition of a measuring table and feet converts the portable Universal Gauge into a stand-alone measuring station.

Measuring range with table:
(Internal 10-100mm (0.4-4")
(External 0-90mm (0-3.5"))



SUPERBORE

The Superbore range represents Bowers' most accurate bore gauging system to date.

Range 1 – 300mm. Calibration certificate supplied with each head and UKAS certificate supplied with each setting ring.



CHECKMATIC

The Bowers Checkmatic is a universal comparator gauge with a built in multifunction digital display, 3 measurement axes, reversible measuring pressure and 15mm measurement travel.



DIGI-THREAD

Designed for accurate thread-depth measurement the Bowers DigiThread has exchangeable plug ends to cover a wide range of different threads using the same readout. Can also be used as a Go/NoGo plug gauge.



SNAPMATIC SNAP GAUGE

The Bowers SNAPMATIC snap gauge has been designed specifically for quick, reliable and accurate measurement of external cylindrical diameters. Available with the traditional mechanical dial-gauge or Bowers mini digital indicator.

Measuring ranges 0-25 mm (0-1"), 25-50 mm (1-2"), 50-75 mm (2-3"), 75-100 mm (3-4"), 100-125 mm (4-5") and 125-150 mm (5-6").



DIGITAL CYLINDER BORE GAUGE

Bowers digital cylinder bore gauges with large LCD readout, RS-232 data output and carbide measuring contacts.

Measuring range: 12.5mm – 600mm (1/2" – 24").



MECHANICAL CYLINDER BORE GAUGE

Bowers mechanical cylinder bore gauges for traditional comparative measurement. Tungsten carbide measuring contacts for superior wear resistance.

Measuring range: 12.5mm – 600mm (1/2" – 24").





DEPTHMATIC

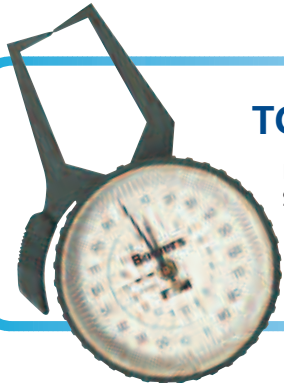
The Bowers Depthmatic Digital Depth Gauge has a fast slide action to allow the user to quickly and accurately measure plain depths or other features such as groove widths, etc.

Measuring range: 0-300mm (12").

DIALMATIC

With its long measuring range, rugged characteristics and clear digital readout orientated towards the operator, the Bowers Dialmatic is the ideal shop-floor digital indicator.

Measuring range: 0-30mm and 30 – 60mm.



TGM EXTERNAL MINOR CALIPERS

External minor calipers with tungsten-carbide ball-contacts. Special versions available on request.

TGM INTERNAL MINOR CALIPERS

Internal minor calipers with tungsten-carbide ball-contacts. Special versions available on request.



EXTERNAL DIGITAL CALIPERS

External digital calipers with preset function, mm/inch conversion and RS-232 output.



INTERNAL DIGITAL CALIPERS

Internal digital calipers with preset function, mm/inch conversion and RS-232 output.



BOWERS DIGITAL INDICATOR

Electronic dial gauge with additional functions such as min /max, TIR and tolerance indicator lights.

MAJOR CALIPERS ANALOGUE

This range of dial calipers gives a method of gauging where extended reach or clearance is required. Carbide measuring faces are standard. Available in internal and external versions.



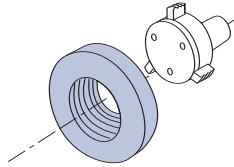
MAJOR CALIPERS DIGITAL

Digital Major Calipers have a direct Inch/Metric indicator with switchable resolutions of 0.02mm/0.001", 0.05mm/0.0025", 0.1mm/0.005" and 0.2mm/0.010". Available in internal and external versions.



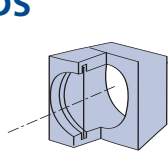
Special Applications

Although Bowers produce the most comprehensive series of bore gauges and internal measuring equipment available, not all applications can be covered by our standard instrument range. Some of the most popular options are shown below.



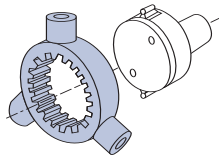
SCREW THREADS

To measure effective (functional) diameter, pitch diameter, major diameter, between M4-300mm./No. 8 UN-12" diameter.



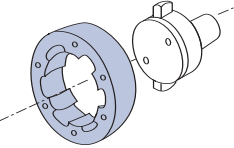
GROOVES

For sizes from 2mm-300mm diameter.



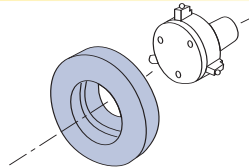
INTERNAL SPLINES

2 and 3 point heads available. Anvils manufactured from tool steel. Between pin, major and minor diameter heads available. Diameters from 12-300mm diameter (1/2"-12").



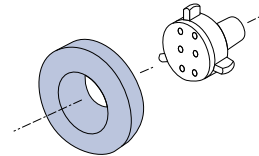
SPHERICAL ANVILS

2 point available from 3-150mm.
3 point from 6-300mm diameter.



BALL SCREW THREADS

From Ø M10.



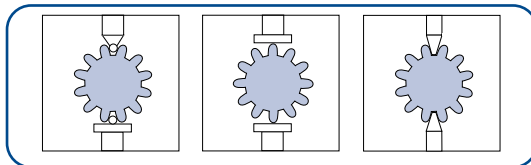
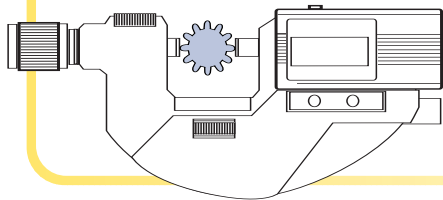
DEEP HOLE

Up to 2.5 metres deep with standard extensions. Pneumatic system available from 50mm diameter for depths of up to 15 metres.



EXTERNAL SPLINES

Pitch diameter frames fitted with 2 ball contact.



Pitch Diameter

Major Diameter

Minor Diameter



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