XTD Digital Bore Gauges

Bowers XTD digital internal micrometers give the operator the advantage of traditional quality ratchet gauges allied to advanced IP65 electronics. The extended mechanical travel of the XT range means that special heads can also be manufactured to accommodate users' most awkward measuring problems. Measuring heads for threads, splines, slots, grooves, deep-holes and many more applications are available on request.

The Bowers XT range of internal micrometers can be supplied as individual instruments or in complete sets. All XT instruments give the user the advantage of extended measuring travel with fixed anvils and UKAS certification of both measuring head and setting ring as standard.

IP65 Electronics

WiFi

RS232

Features

- IP65 electronics
- Simple 2-button operation
- Large easy-to-read display
- 3 preset memories
- RS-232C output
- Range 2 – 300 mm (0.080" – 12")
- 2 – 6mm 2 point/ 6 – 300mm 3 point measurement
- Resolution 0.001mm/0.00005"
- Tungsten carbide measuring faces on all 3-point heads from 12.5mm
- Blind bore measurement from 2mm – 6mm and above 12.5 mm (0.500")
- Extensions available above 6mm for deep hole measurement
- Ratchet stop to ensure consistent measurement
- Setting rings included with individual instruments and sets
- UKAS certificates supplied as standard with all setting rings
- UKAS certificates supplied as standard with all gauges
- Serial number on all digital readouts and measuring heads
- Heads with special anvils available to suit specific customer requirements (e.g. Threads, grooves, 2-point, spherical, splines etc)
- Bore gauges manufactured according to **DIN 863**, part 4

BORE GAUGING

XTD Digital Bore Gauges

TECHNICAL SPECIFICATIONS: Individual instruments supplied with digital display unit, head and ring

Code No (mm)	Range (mm)	Code No (inch)	Range (inch)	Accuracy (mm)	Accuracy (inch)	Depth (mm)	Depth (inch)	Display Unit	Setting Ring (mm)	Setting Ring (inch)
XTD1M	2-2.5	XTD1i	.080-.100	0.004	0.00015	9	0.35	XTDU2	2.50	0.1000
XTD2M	2.5-3	XTD2i	.100-.120	0.004	0.00015	9	0.35	"	2.50	0.1000
XTD3M	3-4	XTD3i	.120-.160	0.004	0.00015	12	0.47	"	4.00	0.1600
XTD4M	4-5	XTD4i	.160-.200	0.004	0.00015	18	0.70	"	4.00	0.1600
XTD5M	5-6	XTD5i	.200-.250	0.004	0.00015	18	0.70	"	5.00	0.2000
XTD6M	6-8	XTD6i	1/4 - 5/16	0.004	0.00015	58	2.28	XTDU6	8.00	.312
XTD8M	8-10	XTD8i	5/16 - 3/8	0.004	0.00015	58	2.28	"	8.00	.312
XTD10M	10-12.5	XTD10i	3/8 - 1/2	0.004	0.00015	58	2.28	XTDU10	12.50	.500
XTD12M	12.5-16	XTD12i	1/2 - 5/8	0.004	0.00015	62	2.44	"	12.50	.500
XTD16M	16-20	XTD16i	5/8 - 3/4	0.004	0.00015	62	2.44	"	20.00	.750
XTD20M	20-25	XTD20i	3/4 - 1	0.004	0.00015	66	2.62	XTDU20	20.00	.750
XTD25M	25-35	XTD25i	1 - 1 3/8	0.004	0.00015	66	2.62	"	35.00	1.375
XTD35M	35-50	XTD35i	1 3/8 - 2	0.004	0.00015	80	3.15	"	35.00	1.375
XTD50M	50-65	XTD50i	2 - 2 5/8	0.005	0.00020	80	3.15	XTDU50	65.00	2.625
XTD65M	65-80	XTD65i	2 5/8 -3 1/4	0.005	0.00020	80	3.15	"	65.00	2.625
XTD80M	80-100	XTD80i	3 1/4 - 4	0.005	0.00020	100	3.94	"	80.00	3.250
XTD100M	100-125	XTD100i	4 - 5	0.006	0.00025	115	4.53	XTDU100	125.00	5.000
XTD125M	125-150	XTD125i	5 - 6	0.006	0.00025	115	4.53	"	125.00	5.000
XTD150M	150-175	XTD150i	6 - 7	0.007	0.00030	115	4.53	"	175.00	7.000
XTD175M	175-200	XTD175i	7 - 8	0.007	0.00030	115	4.53	"	175.00	7.000
XTD200M	200-225	XTD200i	8 - 9	0.008	0.00030	118	4.65	XTDU200	225.00	9.000
XTD225M	225-250	XTD200i	9 - 10	0.008	0.00030	118	4.65	"	225.00	9.000
XTD250M	250-275	XTD250i	10 - 11	0.009	0.00035	118	4.65	"	275.00	11.000
XTD275M	275-300	XTD275i	11 - 12	0.009	0.00035	118	4.65	"	275.00	11.000

SETS Supplied with digital display unit, heads and rings

Range mm	Code No	Range (inch)	Code No
2 - 6mm	SXTD1M	0.080-0.25"	SXTD1i
6 - 10mm	SXTD3M	1/4 - 3/8"	SXTD3i
10-20mm	SXTD4M	3/8 - 3/4"	SXTD4i
20-50mm	SXTD5M	3/4 - 2"	SXTD5i
50-100mm	SXTD6M	2 - 4"	SXTD6i
100-150mm	SXTD7M	4 - 6"	SXTD7i
150-200mm	SXTD8M	6 - 8"	SXTD8i
100-200mm	SXTD9M	4 - 8"	SXTD9i

EXTENSIONS

Code No	Length mm	Length inch	To Fit Heads mm	To Fit Heads inch
EGX 0200	63	2.5	6 - 10	1/4 – 3/8
EGX 0400	76	3.0	10 - 12.5	3/8 – 1/2
EGX 0500	100	4.0	12.5 - 20	1/2 – 3/4
EGX 0001	150	6.0	20 - 50	3/4 – 2
EGX 0004	150	6.0	50 - 300	2 – 12

Blind bore measuring above 12.5mm diameter (0.500")