

# ELECTRONIC BORE GAGES

## 780XT ELECTRONIC INTERNAL MICROMETERS WITH IP65 PROTECTION (WITH OUTPUT)

### .080-12"/2-300MM

780XT Electronic Internal Micrometers provide IP65 level of protection against coolant, water, dirt and dust in hostile shop environments. In addition, they offer extended travel, reducing the need to exchange anvils.

The ground contact points seat the internal micrometer faster and more accurately than the spherical contacts found on other gages. These rugged and accurate internal micrometers are available individually or in sets from .080" (2mm) to 12" (300mm).



### FEATURES

- Wide measurement range without changing anvils
- IP65 level of protection against coolant, water, dirt and dust
- Resolution to .00005" (0.001mm)
- Large high-contrast LCD digital readout is easy to read and reduces error
- RS232 output
- Carbide measuring faces on sizes above 1/2" (12.5mm) diameter
- Extensions available for deep holes
- Includes instant inch/millimeter conversion and preset + and - functions
- Precision ratchet stop provides correct contact pressure for accurate readings
- Each micrometer bore gage with head comes with a wooden case, complete with setting ring, contacts, adjusting wrench, spare battery, and instructions

BORE GAGES

### 780XT Electronic Internal Micrometers, 2-Point Contact (.080-.250" (2-6mm) Range)

Range Inch	mm	Accuracy		Approx. Meas. Depth		Ring Diameter		Cat. No.	EDP
		Inch	mm	Inch	mm	Inch	mm		
.080-.100"	2-2.5mm			3/8"	9mm	.100"	2.54mm	780XTZ-100	12015
.100-.120"	2.5-3mm							780XTZ-120	12016
.120-.160"	3-4mm	.00015"	.004mm	15/32"	12mm	.160"	4.06mm	780XTZ-160	12017
.160-.200"	4-5mm			3/4"	18mm	.160"	4.06mm	780XTZ-200	12019
.200-.250"	5-6mm					.200"	5.08mm	780XTZ-250	12020

### 780XT Electronic Internal Micrometers, 3-Point Contact (1/4-12" (6-300mm) Range), Fixed Anvils

1/4 - 5/16"	6-8mm							780XTZ-312	12021
5/16 - 3/8"	8-10mm			2-1/4"	58mm	.3125"	7.94mm	780XTZ-375	12022
3/8 - 1/2"	10-12.5mm					.500"	12.7mm	780XTZ-500	12024
1/2 - 5/8"	12.5-16mm	.00015"	.004mm	2-3/8"	62mm	.500"	12.7mm	780XTZ-625	12025
5/8 - 3/4"	16-20mm					.750"	19.05mm	780XTZ-750	12026
3/4 - 1"	20-25mm			2-5/8"	66mm	.750"	19.05mm	780XTZ-1	12027
1 - 1-3/8"	25-35mm			3-1/16"	80mm	1.375"	34.93mm	780XTZ-138	12028
1-3/8 - 2"	35-50mm							780XTZ-2	12029
2 - 2-5/8"	50-65mm	.00020"	.005mm	3-1/16"	80mm	2.625"	65.68mm	780XTZ-258	12030
2-5/8 - 3-1/4"	65-80mm							780XTZ-314	12032
3-1/4 - 4"	80-100mm	.00020"	.005mm	4"	100mm	3.250"	82.55mm	780XTZ-4	12033
4 - 5"	100-125mm	.00025"	.006mm	4-1/2"	115mm	5.0"	127.00mm	780XTZ-5	12034
5 - 6"	125-150mm							780XTZ-6	12035
6 - 7"	150-175mm	.00030"	.007mm	4-1/2"	115mm	7.0"	177.80mm	780XTZ-7	12036
7 - 8"	175-200mm							780XTZ-8	12037
8 - 9"	200-225mm	.00030"	.007mm	4-5/8"	118mm	9.0"	228.60mm	780XTZ-9	12038
9 - 10"	225-250mm							780XTZ-10	12039
10 - 11"	250-275mm	.00035"	.009mm	4-5/8"	118mm	11.0"	279.40mm	780XTZ-11	12040
11 - 12"	275-300mm							780XTZ-12	12041

### Accessories for 780XT Electronic Internal Micrometers

Description	Part No.	EDP
Cable Link to PC	PT28318	12181
Two 3-volt Batteries, CR2032	PT99492	65650

See next page for sets.

### IP PROTECTION

An IP number is composed of two numbers, the first referring to protection against solid objects and the second against liquids.

**First number 6:** Totally protected against dust

**Second number 5:** Protected against low pressure jets of water from all directions - limited ingress permitted



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### 780XT ELECTRONIC INTERNAL MICROMETERS WITH IP65 PROTECTION (WITH OUTPUT)

See specifications on previous page

780XT Electronic Internal Micrometer Sets, 2-Point Contact (.080-.250" [2-6mm] Range)					
Range		No. of Heads	No. of Rings	Cat. No.	EDP
Inch	mm				
.080-.250	2-6			S780XTBZ	12043
780XT Electronic Internal Micrometer Sets, 3-Point Contact (1/4-8" [6-200mm] Range), Fixed anvils					
1/4-3/8	6-10	2	1	S780XTCZ	12044
3/8-3/4	10-20	3	2	S780XTDZ	12045
3/4-2	20-50	3	2	S780XTEZ	12046
2-4	50-100	3	2	S780XTFZ	12047
4-6	100-150	2	1	S780XTKZ	12049
4-8	100-200	4	2	S780XTGZ	12048
6-8	150-200	2	1	S780XTLZ	12050

### INTERNAL EXTENSIONS FOR 78, 780, 781 INTERNAL MICROMETERS

Extensions from 2-1/2 - 6" can be added to both the 780XT and 78XT, enabling internal measurements in deep hole bores (Multiple extensions can also be used).

Internal Extensions						
Ext. Size			Model Size			
Inch	mm	Fits Models	Inch	mm	Cat. No.	EDP
2.5	63	78XT/780XT/781XT-312-375	1/4-3/8	6-10	78/782F	65484
3	75	78XT/780XT/781XT-375-500	3/8-1/2	10-12.5	78/782G	65485
4	100	78XT/780XT/781XT-625-750	1/2-3/4	12.5-20	78/782H	65486
6	150	78XT/780XT/781XT-1 thru 2	3/4-2	20-50	78/782J	65487
6	150	78XT/780XT/781XT-2 thru 12	2-12	50-300	78/782K	65488

