



Electronic Internal Micrometers with IP65 Protection (with output)



No. 780XT Series .040-12" (1-300mm)

780XT Series 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 in other gages. These rugged and accurate internal micrometers are available individually or in sets from .040" (1mm) 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 with head comes with a wooden case, complete with setting ring, contacts, adjusting wrench, spare battery, and instructions.



No. 780XTZ-138 (1 - 1-3/8" model).

.040-12" / 300mm Range

Individual – 2-Point Contact .040-.250" (1-6mm) range

Range		Accuracy	Approx. Meas. Depth		Ring Diameter		Cat. No.	EDP No.
Inch	mm	Inch/mm	Inch	mm	Inch	mm		
.040-.045	1-1.15	.00010/.003	1/4	6	.045	1.15	780XTZ-045	12010
.045-.050	1.15-1.3				.060	1.52	780XTZ-050	12011
.050-.060	1.3-1.5		5/16	8	.060	1.52	780XTZ-060	12012
.060-.070	1.5-1.75				.075	1.90	780XTZ-070	12013
.070-.080	1.75-2	.00015/.004	3/8	9	.100	2.54	780XTZ-100	12015
.080-.100	2-2.5				.160	4.06	780XTZ-160	12017
.100-.120	2.5-3		3/4	18	.160	4.06	780XTZ-200	12019
.120-.160	3-4	.200			5.08	780XTZ-250	12020	
.160-.200	4-5	.00020/.005	3-1/16	80	2.625	65.68	780XTZ-258	12030
.200-.250	5-6				2.750	69.75	780XTZ-259	12031

Individual – 3-Point Contact 1/4-12" (6-300mm) range – fixed anvils

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

Accessories

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

See the right columns on the top of the following page for available 780XT Series 2-point contact and 3-point contact sets.



Electronic Sets No. 780XT Series (continued)

Sets – 2-Point Contact .040-.250" (1-6mm) range

Range		No. of Heads	No. of Rings	Catalog No.	EDP No.
Inch	mm				
.040-.080	1-2	5	3	S780XTAZ	12042
.080-.250	2-6			S780XTBZ	12043

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

No. 782ST Internal Micrometer Stand

The adjustable depth stop/collar helps align the micrometer squarely to the hole, positions the measuring contacts where you want them and can protect against breakage to smaller contacts. Fits Nos. 78XT and 780XT models, .040-.250" (1-6mm) range.



Cat. No.	EDP No.	Description
782ST	65489	Stand
PT24272	64359	Depth Stop

Internal Extensions for 78, 780, 781 & 782 Series



Extensions

Ext. Size		Fits Models	Model Size		Catalog No.	EDP No.
Inches	mm		Inches	mm		
2.5	63	78XT/780XT/781XT/782XT-312-375	1/4-5/16	6-8	78/782F	65484
3	75	78XT/780XT/781XT/782XT-375-500	3/8-1/2	10-12.5	78/782G	65485
4	100	78XT/780XT/781XT/782XT-625-750	1/2-3/4	12.5-20	78/782H	65486
6	150	78XT/780XT/781XT/782XT-1 thru 2	3/4-2	20-50	78/782J	65487
6	150	78XT/780XT/781XT/782XT-2 thru 12	2-12	50-300	78/782K	65488

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