



NEW

## Electronic Micrometers

**No. 795 Series (with output) 0-1" (0-25mm)**

**No. 796 Series (without output) 0-1" (0-25mm)**

Starrett 795 and 796 Electronic Micrometers provide an IP67 level of protection against coolant, water, chips, dirt, and other contaminants in hostile shop environments.

The 795 includes an RS232 output port for data transmission and works well with Starrett DataSure® Wireless Data Collection Systems. The 796 has all of the features of the 795 except that it does not include output.

These full-featured electronic micrometers are built with customary Starrett quality and workmanship.

### Features and Specifications

- ◆ Large, easy-to-read (.275"/7mm), high-contrast LCD digital readout
- ◆ IP67 level of protection against coolant, water, dust and dirt
- ◆ Starrett no-glare satin chrome finish on thimble and sleeve
- ◆ Balanced, tapered frame for comfortable and accurate measuring
- ◆ Smooth friction thimble for uniform pressure
- ◆ Extremely hard, and stable one piece spindle, the heart of our accuracy and smooth operating one-piece friction thimble
- ◆ Two 3-volt batteries included for more than one year of normal usage
- ◆ Micro-lapped carbide measuring faces
- ◆ Automatic OFF after 20 minutes of nonuse
- ◆ Instant inch/millimeter conversion
- ◆ Measurement HOLD button
- ◆ 795 model includes RS232 output
- ◆ Ability to zero tool at any position as well as retain and return to the true zero reading of the micrometer
- ◆ Resolution: .00005" (0.001mm)
- ◆ Accuracies: Inch: ±.0001" Metric: ±.002mm



**796XRL Electronic Micrometer**



**795XFL Electronic Micrometer with Output**



The output jack on the 795 allows data transmission by connecting to a Starrett DataSure® Wireless Data Collection System End Node (above) or through a traditional wire.

Range	Description	Cat. No.	EDP
0-1" & 0-25mm	Friction Thimble, spindle lock, carbide faces, shell & thimble inch grads., with output & case	<b>795XFL-1</b>	67827
0-1" & 0-25mm	Ratchet stop, lock nut, carbide faces, shell & thimble inch grads., with output & case	<b>795XRL-1</b>	69085
0-25mm & 0-.984"	Friction Thimble, spindle lock, carbide faces, shell & thimble metric grads., with output & case	<b>795MEXFL-25</b>	69077
0-1" & 0-25mm	Friction Thimble, spindle lock, carbide faces, shell & thimble inch grads., with case, no output	<b>796XFL-1</b>	67828
0-1" & 0-25mm	Ratchet stop, lock nut, carbide faces, shell & thimble inch grads., with case, no output	<b>796XRL-1</b>	69089
0-25mm	Friction Thimble, spindle lock, carbide faces, shell & thimble metric grads., with case, no output	<b>796MXFL-25</b>	69084

### Accessories

1m Shielded Cable to Starrett 795	<b>PT62680-1</b>	62021
2m Shielded Cable to Starrett 795	<b>PT62680-2</b>	62022
3m Shielded Cable to Starrett 795	<b>PT62680-3</b>	62023
Adaptor from PT62680-1, PT62680-2 and PT62680-3 to PC (RS232)	<b>PT61768</b>	66454
Two 3-volt Batteries, No. CR2032	<b>PT99492</b>	65650



**795 & 796 Micrometers have IP67 protection against coolant, water, chips, dirt, and dust**

Micrometers include protective cases. Packed one per box with instructions.



### Electronic Micrometers

#### No. 733 Series

(with output) 0-24" (0-600mm)

#### No. 734 Series

(without output) 0-1" (0-25mm)

The 733 and 734 are full function electronic outside micrometer a full range of features. The 733 Series is offered in a wide variety of sizes up to 24" and includes output.

The 734 Series is available in a 0-1" (0-25mm) inch/millimeter version and a 0-25mm metric-only version, both without output.

- ◆ Large, right-sized, high-contrast LCD digital readout is easy to read and reduces errors
- ◆ Conventional inch or millimeter graduations standard
- ◆ Attractive no-glare black wrinkle finish on the frame
- ◆ Starrett no-glare satin chrome finish on thimble and sleeve
- ◆ Balanced frame design for comfortable and accurate measuring
- ◆ Ring-type knurled lock nut for quick and sure locking
- ◆ Smooth friction thimble for uniform pressure
- ◆ The anvil and spindle diameter is .250" (6.35mm)
- ◆ Gracefully designed tapered frame for use in narrow slots and tight places
- ◆ Extremely hard and stable one-piece spindle
- ◆ Micro-lapped carbide measuring faces
- ◆ Includes one 3-volt battery for over one year's normal usage
- ◆ Automatic OFF after 30 minutes of nonuse
- ◆ Instant inch/millimeter conversion (except on 734 metric-only model)
- ◆ "ME" millimeter models will turn on in the millimeter mode after installation of a new battery
- ◆ Measurement HOLD button
- ◆ Ability to zero tool at any position
- ◆ Ability to retain and return to the true zero reading of the micrometer
- ◆ PRESET button to install any reading at any position
- ◆ Ability to install minimum and maximum limits except on straight metric models
- ◆ The output jack (733 Series only) allows data transmission, either through a traditional wire or by connecting to a Starrett DataSure® Wireless Data Collection System end node



The 733 provides the ability to output measurements to a variety of peripherals, either through a traditional wire (left), or by connecting to a Starrett DataSure® Wireless Data Collection System End Node (below).



#### 734 Series (without output)

This tool is a basic electronic micrometer. It has no output but has all the ease of handling and accuracy features of the No. 733 full function micrometer.



The 734 Series (above) without output

Catalog No.	EDP No.	Range	Description
734XFL-1	64253	0-1", 0-25mm	Inch and millimeter measurements
734MXFL-25	65442	0-25mm	Millimeter only measurements
949	63874		Case Only for No. 734 Series

#### Specifications (733 & 734 Series)

Description	Inch	Millimeter
Resolution through 4" (100mm)	.00005"	0.001mm
Resolution over 4" (100mm)	.0001"	0.001mm
Accuracy**	±.0001"	±0.002mm

\*\*Accuracies above 1" (25mm) are as good as setting to a gage because the mechanical and electronic components are the same on all ranges.



**No. 733 Series  
Specifications**

**With Standard Inch Graduations on Shell and Thimble**

	Range		Resolution		Catalog No.	EDP No.
	Inch	Approx. mm	Inch	mm		
	0 - 1	0 - 25.4	.00005	0.001	<b>733XFL-1</b>	64239
					<b>733XFL-1 W/SLC*</b>	66905
	1 - 2	25.4 - 50.8	.00005	0.001	<b>733XFLZ-2</b>	64241
	2 - 3	50.8 - 76			<b>733XFLZ-3</b>	64242
	3 - 4	76 - 101			<b>733XFLZ-4</b>	64243
	4 - 5	101 - 127	.0001		<b>733XFLZ-5</b>	64244
5 - 6	127 - 152	<b>733XFLZ-6</b>			64245	
	6 - 7	152 - 178	.0001		0.001	<b>733XFLZ-7</b>
	7 - 8	178 - 203		<b>733XFLZ-8</b>		64247
	8 - 9	203 - 228		<b>733XFLZ-9</b>		64248
	9 - 10	228 - 254		<b>733XFLZ-10</b>		64249
	10 - 11	254 - 279		<b>733XFLZ-11</b>		64250
	11 - 12	279 - 305		<b>733XFLZ-12</b>		64251
	12 - 13	305 - 330		<b>733XFLZ-13</b>		64415
	13 - 14	330 - 355		<b>733XFLZ-14</b>		64416
	14 - 15	355 - 381		<b>733XFLZ-15</b>		64417
	15 - 16	381 - 406		<b>733XFLZ-16</b>		64418
	16 - 17	406 - 432		<b>733XFLZ-17</b>		64419
	17 - 18	432 - 457		<b>733XFLZ-18</b>		64420
	18 - 19	457 - 482		<b>733XFLZ-19</b>		64421
	19 - 20	482 - 508		<b>733XFLZ-20</b>		64422
	20 - 21	508 - 533		<b>733XFLZ-21</b>		64423
	21 - 22	533 - 559		<b>733XFLZ-22</b>		64424
	22 - 23	559 - 584		<b>733XFLZ-23</b>		64425
	23 - 24	584 - 609		<b>733XFLZ-24</b>		64426

Furnished with standards.

\* Includes redemption card for Standard Letter of Certification (SLC).

**No. 733 Series Accessories**

Computer Interface Cable Complete to PC (RS232C)	<b>PT61963</b>	66636
Adaptor from No. PT22938 Cable to PC (RS232C)	<b>PT61768</b>	66454
Shielded Cable to Nos. 761/772 Series Starrett Modules and No. PT61768 Adaptor	<b>PT22938</b>	64059
One 3-Volt Battery No. CR2450 (for both Nos. 733 & 734)	<b>PT61120</b>	65446



Micrometers are furnished in protective cases. Deluxe padded case for 1" micrometer available by ordering No. 949, EDP 63874. Packed one per box with instructions.

**For millimeter models, see next page.**



### No. 733 Series Specifications

#### With Standard Millimeter Graduations on Shell and Thimble

	Range		Resolution		Catalog No.	EDP No.
	mm	Approx. Inch	mm	Inch		
	0 - 25	0 - .984	0.001	.00005	<b>733MEXFL-25</b>	65440
	25 - 50	.984 - 1.968	0.001	.00005	<b>733MEXFLZ-50</b>	65441
	50 - 75	1.968 - 2.950			<b>733MEXFLZ-75</b>	66079
	75 - 100	2.950 - 3.930			<b>733MEXFLZ-100</b>	66080
	100 - 125	3.930 - 4.920		.0001	<b>733MEXFLZ-125</b>	66081
	125 - 150	4.920 - 5.900			<b>733MEXFLZ-150</b>	66082
150 - 175	5.900 - 6.890	<b>733MEXFLZ-175</b>			66083	
	175 - 200	6.890 - 7.870	0.001	.0001	<b>733MEXFLZ-200</b>	66084
	200 - 225	7.870 - 8.850			<b>733MEXFLZ-225</b>	66085
	225 - 250	8.850 - 9.840			<b>733MEXFLZ-250</b>	66086
	250 - 275	9.840 - 10.820			<b>733MEXFLZ-275</b>	66087
	275 - 300	10.820 - 11.810			<b>733MEXFLZ-300</b>	66088
	300 - 325	11.810 - 12.790			<b>733MEXFLZ-325</b>	66089
	325 - 350	12.790 - 13.770			<b>733MEXFLZ-350</b>	66090
	350 - 375	13.770 - 14.760			<b>733MEXFLZ-375</b>	66091
	375 - 400	14.760 - 15.740			<b>733MEXFLZ-400</b>	66092
	400 - 425	15.740 - 16.730			<b>733MEXFLZ-425</b>	66093
	425 - 450	16.730 - 17.710			<b>733MEXFLZ-450</b>	66094
	450 - 475	17.710 - 18.700			<b>733MEXFLZ-475</b>	66095
	475 - 500	18.700 - 19.680			<b>733MEXFLZ-500</b>	66096
	500 - 525	19.680 - 20.660			<b>733MEXFLZ-525</b>	66097
	525 - 550	20.660 - 21.650			<b>733MEXFLZ-550</b>	66098
	550 - 575	21.650 - 22.630			<b>733MEXFLZ-575</b>	66099
	575 - 600	22.630 - 23.620	<b>733MEXFLZ-600</b>	66100		

Furnished with standards.

#### Accessories

Computer Interface Cable Complete to PC (RS232C)	<b>PT61963</b>	66636
Adaptor from No. PT22938 Cable to PC (RS232C)	<b>PT61768</b>	66454
Shielded Cable to Nos. 761/772 Series Starrett Modules and No. PT61768 Adaptor	<b>PT22938</b>	64059
One 3-Volt Battery No. CR2450 (for 733 & 734)	<b>PT61120</b>	65446

Description	Millimeter	Inch
<b>Resolution through 100mm (4")</b>	0.001mm	.00005"
<b>Resolution over 100mm (4")</b>	0.001mm	.0001"
<b>Accuracy*</b>	±0.002mm	±.0001"

Micrometers are furnished in protective plastic case No. 957, EDP 66565. Deluxe padded case for 25mm micrometer available by ordering No. 949, EDP 63874. Packed one per box with instructions.

\*Accuracies above 25mm (1") are as good as setting to a gage because the mechanical and electronic components are the same on all ranges.



## Digital Micrometers

**No. 216 Series 0-12"**

**No. 216M Series 0-300mm**

This is the Starrett mechanical digital micrometer – simple to use even by the inexperienced. The anvil and spindle are sized at .250" (6.35mm).

### Readability Features

- ◆ Clear, easily read numbers reduce errors
- ◆ No-glare black finish on the frame
- ◆ Starrett no-glare satin chrome finish on thimble and sleeve
- ◆ .001" or .01mm is read directly from the counter
- ◆ .0001" or .001mm is read from the vernier scale on the micrometer sleeve

### Ease-of-Handling Features

- ◆ Balanced frame design for comfortable and accurate measuring
- ◆ Ring-type knurled lock nut for quick and sure locking



Available in inch and millimeter models. Shown above: top, No. T216XFL-2 (2" model); bottom, No. 216MXRL-25 (25mm model).

- ◆ A choice of smooth friction thimble for uniform pressure on the 1-4" sizes or the combination ratchet and speeder for uniform pressure and quicker adjustment on all sizes
- ◆ Gracefully designed tapered frame for use in narrow slots and tight places

### Accuracy and Long-Life Features

- ◆ Extremely hard and stable one-piece spindle (the heart of our accuracy)
- ◆ Micro-lapped measuring faces
- ◆ Starrett workmanship

## Digital Micrometer Set

**No. S216 0-3"**

Set of three digital micrometers – furnished with ratchet stop, lock nut, and standards, in case.

- ◆ Set consists of three micrometers: 0-1", 1-2", and 2-3"
- ◆ .001" is read directly from the counter
- ◆ .0001" is read from the sleeve
- ◆ Clear, easily read numbers
- ◆ Balanced frame design and extremely hard and stable one-piece spindle
- ◆ Micro-lapped carbide measuring faces



Catalog No.	EDP No.	Description
ST216AXRLZ	66526	Set 0-3", .0001" Grad., Carbide Faces, Ratchet Stop, Lock Nut, with Standards, in Case



### No. 216 Series Graduation - .001" Specifications

Range	Measuring Faces	Ratchet Stop and Lock Nut		Friction Thimble and Lock Nut		Plain		Case Only		
		Catalog No.	EDP No.	Catalog No.	EDP No.	Cat. No.	EDP No.	Cat. No.	EDP No.	
0-1"	Steel	<b>216RL-1</b>	55953	<b>216FL-1</b>	55954	<b>216P-1</b>	55952	<b>942</b>	55961	
	Carbide	<b>216XRL-1</b>	55955	<b>216XFL-1</b>	55956					
1-2"	Steel	<b>216RL-2</b>	56153	<b>216FL-2</b>	56257			<b>216ZZ-2</b>	56171	
2-3"		<b>216RL-3</b>	56205	<b>216FL-3</b>	56206				<b>922</b>	55222
3-4"		<b>216RL-4</b>	56208	<b>216FL-4</b>	56209				<b>952</b>	55223
4-5"		<b>216RL-5</b>	63470						<b>953</b>	55224
5-6"		<b>216RL-6</b>	63471						<b>954</b>	55225
6-7"	Carbide	<b>216XRL-7</b>	63628					<b>930</b>	55276	
7-8"		<b>216XRL-8</b>	63629						<b>931</b>	55277
8-9"		<b>216XRL-9</b>	63630						<b>932</b>	55278
9-10"		<b>216XRL-10</b>	63631						<b>933</b>	55279
10-11"		<b>216XRL-11</b>	63632						<b>934</b>	55280
11-12"		<b>216XRL-12</b>	63633						<b>935</b>	55281

### Graduation - .0001"

0-1"	Carbide	<b>T216XRL-1</b>	55959	<b>T216XFL-1</b>	55960			<b>942</b>	55961		
		<b>T216XRL-1 W/SLC*</b>	66904	<b>T216XFL-1 W/SLC*</b>	66903						
1-2"		<b>T216XRL-2</b>	56156	<b>T216XFL-2</b>	56157			<b>216ZZ-2</b>	56171		
2-3"		<b>T216XRL-3</b>	63491	<b>T216XFL-3</b>	63634					<b>922</b>	55222
3-4"		<b>T216XRL-4</b>	63492	<b>T216XFL-4</b>	63635					<b>952</b>	55223
4-5"		<b>T216XRL-5</b>	63493							<b>953</b>	55224
5-6"		<b>T216XRL-6</b>	63494							<b>954</b>	55225
6-7"		<b>T216XRL-7</b>	63495							<b>930</b>	55276
7-8"		<b>T216XRL-8</b>	63496							<b>931</b>	55277
8-9"		<b>T216XRL-9</b>	63497							<b>932</b>	55278
9-10"		<b>T216XRL-10</b>	63498							<b>933</b>	55279
10-11"		<b>T216XRL-11</b>	63499							<b>934</b>	55280
11-12"	<b>T216XRL-12</b>	63500			<b>935</b>	55281					

### Graduation - 0.01mm

0-25mm	Carbide	<b>216MXRL-25</b>	55983	<b>216MXFL-25</b>	55984			<b>942</b>	55961
25-50mm		<b>216MXRL-50</b>	65602						
50-75mm		<b>216MXRL-75</b>	65603					<b>922</b>	55222
75-100mm		<b>216MXRL-100</b>	65604					<b>952</b>	55223
100-125mm		<b>216MXRL-125</b>	64351					<b>953</b>	55224
125-150mm		<b>216MXRL-150</b>	64352					<b>954</b>	55225
150-175mm		<b>216MXRL-175</b>	64353					<b>930</b>	55276
175-200mm		<b>216MXRL-200</b>	64354					<b>931</b>	55277
200-225mm		<b>216MXRL-225</b>	64355					<b>932</b>	55278
225-250mm		<b>216MXRL-250</b>	64356					<b>933</b>	55279
250-275mm		<b>216MXRL-275</b>	64357					<b>934</b>	55280
275-300mm		<b>216MXRL-300</b>	64358					<b>935</b>	55281

### Graduation - 0.001mm

0-25mm	Carbide	<b>V216MXRL-25</b>	56037	<b>V216MXFL-25</b>	56036			<b>942</b>	55961
25-50mm		<b>V216MXRL-50</b>	64348						
50-75mm		<b>V216MXRL-75</b>	64349					<b>922</b>	55222
75-100mm		<b>V216MXRL-100</b>	64350					<b>952</b>	55223

**NOTE:** \* Includes redemption card for Standard Letter of Certification (SLC).

No. 234 (inch) and No. 234M (millimeter) standards are available.

1" and 25mm models are sent in plastic fitted case No. 957, EDP 66565. Deluxe padded case available by ordering No. 942, EDP 55961. All other models are sent without case, unless otherwise ordered. Packed one in a box.