

SPECIALTY MICROMETER AND CALIPER PROMOTION

Effective October 1, 2015 through January 29, 2016

GENERAL

You Tube



Watch our videos on Specialty Calipers & Micrometers on our YouTube channel:
<http://www.mitutoyo.com/ytplaylist>



Quick Reference Guide



Dear Valued Customers,

In addition to the standard small tools you've come to expect from us, Mitutoyo also offers a wide range of solutions for your unique applications. The Specialty Micrometer and Caliper Promotion is focused on helping you find the right solution.

When standard gages just won't do, turn to Mitutoyo's line-up of specialty tools to reach those difficult-to-access features for reliable and accurate results. Choose from a variety of off-the-shelf micrometers and calipers designed to measure a variety of challenging features including grooves or recessed areas on shafts, splines, tubing, curved parts, pitch diameter, crimp height and more.

This special promotion is effective October 1, 2015 through January 29, 2016.

Please check our website at www.mitutoyo.com to watch for other new products, promotions and events.

Sincerely,

Shigeyuki Sasaki
President, Mitutoyo America Corporation

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Micrometers

Spline Micrometer

- > The anvil and spindle have a small diameter for measuring splined shafts, slots, and keyways.
- > With SPC output (Series 331).
- > With a standard bar except 0-1"
- > Resolution: .00005"/0.001mm (Series 331)



Digital

Order No.	Range	Accuracy	Contacts	List	Promo
331-351	0 - 1" / 0 - 25.4mm	±.0001"	Ø.118"	\$470.00	\$446.50
331-361	0 - 25.4mm	±.0001"	Ø.079"	\$470.00	\$446.50
331-352	1 - 2" / 25.4-50.8mm	±.0001"	Ø.118"	\$527.00	\$500.65
331-362	25.4-50.8mm	±.0001"	Ø.079"	\$527.00	\$500.65
331-353	2 - 3" / 50.8-76.2mm	±.0001"	Ø.118"	\$571.00	\$542.45
331-363	50.8-76.2mm	±.0001"	Ø.079"	\$549.00	\$521.55
331-354	3 - 4" / 76.2-101.6mm	±.00015"	Ø.118"	\$661.00	\$627.95
331-364	76.2-101.6mm	±.00015"	Ø.079"	\$577.00	\$548.15

SPC cable with data switch - 1m: **05CZA662** 2m: **05CZA663**

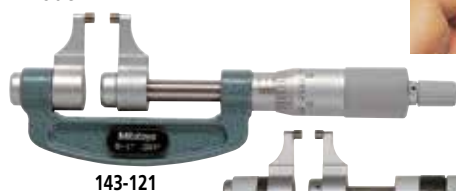
Mechanical

111-166*	0 - 1"	±.00015"	Ø.118"	\$241.00	\$228.95
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*Graduations: .0001"

Caliper Type Micrometer

- > Small offset contacts for recessed areas
- > With SPC output (Series 343).
- > With a standard bar except 0 - 1" model.



Digital

Order No.	Range	Resolution	Accuracy	List	Promo
343-350	0 - 1" / 0 - 25.4mm	.00005" / 0.001mm	±.00025"	\$736.00	\$699.20
343-351	1 - 2" / 25.4 - 50.8mm	.00005" / 0.001mm	±.0003"	\$802.00	\$761.90
343-352	2 - 3" / 50.8 - 76.2mm	.00005" / 0.001mm	±.00035"	\$849.00	\$806.55
343-353	3 - 4" / 76.2 - 101.6mm	.00005" / 0.001mm	±.0004"	\$893.00	\$848.35

SPC cable with data switch - 1m: **05CZA662** 2m: **05CZA663**

Mechanical

Order No.	Range	Graduation	Accuracy	List	Promo
143-121	0 - 1"	.001"	±.00025"	\$426.00	\$404.70
143-122	1 - 2"	.001"	±.0003"	\$449.00	\$426.55
143-123	2 - 3"	.001"	±.00035"	\$467.00	\$443.65

Point Micrometer

- > Pointed spindle and anvil for measuring the web thickness of drills, small grooves, keyways, and other hard-to-reach dimensions.
- > The measuring points have approximately 0.3mm / .012" radius.
- > With a standard bar except 0 - 1"
- > Resolution: 00005" / 0.001mm (digital models)
- > With SPC output (Series 342).
- > With carbide tips unless otherwise noted.



Digital

Order No.	Range	Accuracy	Point	List	Promo
342-351	0 - 1" / 0 - 25.4mm	±.0001"	15°	\$462.00	\$438.90
342-361	0 - 25.4mm	±.0001"	30°	\$451.00	\$428.45
342-352	1" - 2" / 25.4 - 50.8mm	±.0001"	15°	\$515.00	\$489.25
342-362	25.4 - 50.8mm	±.0001"	30°	\$504.00	\$478.80
342-353	2" - 3" / 50.8 - 76.2mm	±.0001"	15°	\$537.00	\$510.15
342-363	50.8 - 76.2mm	±.0001"	30°	\$527.00	\$500.65
342-354	3" - 4" / 76.2 - 101.6mm	±.00015"	15°	\$561.00	\$532.95
342-364	76.2 - 101.6mm	±.00015"	30°	\$571.00	\$542.45

SPC cable with data switch - 1m: **05CZA662** 2m: **05CZA663**

Mechanical Counter Model

Order No.	Range	Graduation	Accuracy	Point	List	Promo
142-177*	0 - 1"	.001"	±.00015"	15°	\$290.00	\$275.50
142-225*	0 - 1"	.001"	±.00015"	30°	\$237.00	\$225.15

Mechanical

112-189	0 - 1"	.001"	±.00015"	15°	\$285.00	\$270.75
112-177*			±.00015"	15°	\$224.00	\$212.80
112-237			±.00015"	30°	\$230.00	\$218.50
112-225*			±.00015"	30°	\$170.00	\$161.50
112-190	1 - 2"	.001"	±.00015"	15°	\$306.00	\$290.70
112-178*			±.00015"	15°	\$269.00	\$255.55
112-238			±.00015"	30°	\$239.00	\$227.05
112-226*			±.00015"	30°	\$197.00	\$187.15
112-191	2 - 3"	.001"	±.00015"	15°	\$252.00	\$239.40

*Hardened steel

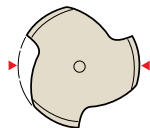
YouTube



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V-Anvil Micrometer

- > Measures the outside diameter of cutting tools (such as taps, reamers, end mills) with an odd number of flutes.
- > Supplied with a setting standard.
- > V-anvils with a centerline groove are available. They are useful for measuring pitch diameters of taps which have a small diameter by using single-wire method.
- > With SPC output (Series 314).
- > Resolution: .00005" / 0.001mm (Series 314).



314-351-10



Digital - for 3 flutes

Order No.	Range	Accuracy	Remarks	Setting Std	List	Promo
314-351-10	.05 - .6" / 1.27 - 15.24mm	±.0002"	w/Groove	ø.2"	\$678.00	\$644.10
314-361-10	1.27 - 15.24mm	±.0002"	—	ø.2"	\$639.00	\$607.05
314-352-10	.4" - 1" / 10.16 - 25.4mm	±.0002"	w/Groove	ø.4"	\$730.00	\$693.50
314-362-10	10.16 - 25.4mm	±.0002"	—	ø.4"	\$693.00	\$658.35
314-353-10	1" - 1.6" / 25.4 - 40.64mm	±.00025"	—	ø 1"	\$763.00	\$724.85

SPC cable with data switch – 1m: **05CZA662** 2m: **05CZA663**

Mechanical for 3 flutes

Order No.	Range	Graduation	Accuracy	Setting Std	List	Promo
114-163	.05 - .6"	.001"	±.0002"	ø.2"	\$364.00	\$345.80
114-202*	.09 - 1"	.0001"	±.0002"	ø.2"	\$515.00	\$489.25
114-113	1 - 1.6"	.001"	±.00025"	ø1"	\$436.00	\$414.20
114-114	1.6 - 2.2"	.001"	±.0003"	ø1.6"	\$462.00	\$438.90

Mechanical for 5 flutes cutting head

Order No.	Range	Accuracy	Setting Std	List	Promo
114-135	.09 - 1"	±.0001"	ø.2"	\$515.00	\$489.25

*Carbide-anvil. .0001" reading is obtained with vernier

Tube Micrometer

- > Used to measure the wall thickness on tubing, pipe and other hard to reach places. Spherical or cylindrical anvils are available.
- > IP65 water/dust protection (Series 395).
- > With SPC output (Series 395).
- > With digit counter (Series 295).



Type A

Type B



Type C

Type D



395-363

Anvil Type C



Digital

Order No.	Range	Resolution	Accuracy	Type	List	Promo
395-362	0 - 1" / 0 - 25.4mm	.00005" / 0.001mm	±.00015"	B	\$438.00	\$416.10
395-363	0 - 1" / 0 - 25.4mm	.00005" / 0.001mm	±.00015"	C	\$451.00	\$428.45
395-364	0 - 1" / 0 - 25.4mm	.00005" / 0.001mm	±.00015"	D	\$451.00	\$428.45

SPC cable with data switch – 1m: **05CZA662** 2m: **05CZA663**

Mechanical

Order No.	Range	Graduation	Accuracy	Type	List	Promo
295-313 [†]	0 - 1"	.0001"	±.00015"	C	\$240.00	\$228.00
295-314 [†]				D	\$240.00	\$228.00
115-305	0 - 1"	.001"	±.00015"	A	\$153.00	\$145.35
115-313*	0 - 1"	.0001"	±.00015"	C	\$147.00	\$139.65
115-314*				D	\$147.00	\$139.65

*.0001" reading is obtained with vernier. [†] Mechanical Counter

Spherical Face Micrometer

- > Designed to measure the wall thickness of various tubing.
- > Resolution: .00005" / 0.001mm (Series 395).
- > With SPC output (Series 395).
- > With a standard bar except 0 - 1" model.
- > With digit counter (series 295).



395-371



115-153

Digital model with spherical anvil

Order No.	Range	Accuracy	Min ID	List	Promo
395-371 ^{S-S}	0 - 1" / 0 - 25.4mm	±.0001"	D: .59"	\$410.00	\$389.50
395-372 ^{S-S}	1" - 2" / 25.4 - 50.8mm	±.0001"	D: .59"	\$435.00	\$413.25
395-373 ^{S-S}	2" - 3" / 50.8 - 76.2mm	±.0001"	D: .75"	\$494.00	\$469.30
395-374 ^{S-S}	3" - 4" / 76.2 - 101.6mm	±.00015"	D: .79"	\$527.00	\$500.65
395-351 ^{S-F}	0 - 1" / 0 - 25.4mm	±.0001"	D: .59"	\$397.00	\$377.15
395-352 ^{S-F}	1" - 2" / 25.4 - 50.8mm	±.0001"	D: .59"	\$425.00	\$403.75
395-353 ^{S-F}	2" - 3" / 50.8 - 76.2mm	±.0001"	D: .75"	\$482.00	\$457.90
395-354 ^{S-F}	3" - 4" / 76.2 - 101.6mm	±.00015"	D: .79"	\$516.00	\$490.20

SPC cable with data switch – 1m: **05CZA662** 2m: **05CZA663**

Mechanical

Order No.	Range	Graduation	Accuracy	Min ID	List	Promo
295-153 ^{S-F*}	0 - 1"	.0001"	±.00015"	D: .40"	\$215.00	\$204.25
295-253 ^{S-S*}	0 - 1"	.0001"	±.00015"	D: .40"	\$224.00	\$212.80
115-153 ^{S-F*}	0 - 1"	.0001"	±.00015"	D: .40"	\$134.00	\$127.30
115-253 ^{S-S*}	0 - 1"	.0001"	±.00015"	D: .40"	\$146.00	\$138.70
115-242 ^{S-S}	1 - 2"	.001"	±.00015"	D: .44"	\$152.00	\$144.40
115-243 ^{S-S}	2 - 3"	.001"	±.00015"	D: .67"	\$161.00	\$152.95

S-F: Spherical anvil and flat spindle
S-S: Spherical anvil and spherical spindle * .0001" reading is obtained with vernier. [†] Mechanical Counter

Micrometers

Blade Micrometer

- > The anvil and the spindle have a blade for measuring the groove diameter of shafts, keyways, and other hard-to-reach areas.
- > Speedy spindle feed of .4"/10mm /rev. (Quickmike type).
- > With a standard bar except 0 - 1" model.



Digital

Order No.	Range	Resolution	Accuracy	Remarks	List	Promo
422-330			±.00015"	Type A	\$780.00	\$741.00
422-360	0 - 1" /	.00005" /	±.00015"	Type B	\$800.00	\$760.00
422-370	0 - 25.4mm	0.001mm	±.00015"	Type C	\$831.00	\$789.45
422-371			±.00015"	Type D	\$853.00	\$810.35
422-331	1 - 2" /	.00005" /	±.00015"	Type A	\$835.00	\$793.25
422-361	25.4 - 50.8mm	0.001mm	±.00015"	Type B	\$855.00	\$812.25
422-332	2 - 3" /	.00005" /	±.00015"	Type A	\$883.00	\$838.85
422-333	3 - 4" /	.00005" /	±.0002"	Type A	\$920.00	\$874.00

SPC cable with data switch - 1m: **05CZA662** 2m: **05CZA663**

Quickmike type (IP54)

Order No.	Range	Resolution	Accuracy	Remarks	List	Promo
422-421	0 - 1.2" /	.00005" /	±.00015"	Type A	\$1,010.00	\$959.50
422-422	0 - 30.48mm	0.001mm	±.00015"	Type A	\$1,090.00	\$1,035.50

SPC cable - 1m: **937387** 2m: **965013**

Mechanical

Order No.	Range	Graduation	Accuracy	Remarks	List	Promo
122-125			±.00015"	Type A	\$301.00	\$285.95
122-135	0 - 1"	.0001"	±.00015"	Type B	\$347.00	\$329.65
122-151			±.00015"	Type D	\$354.00	\$336.30
122-126	1 - 2"	.0001"	±.00015"	Type A	\$269.00	\$255.55
122-127	2 - 3"	.0001"	±.00015"	Type A	\$331.00	\$314.45
122-128	3 - 4"	.0001"	±.0002"	Type A	\$353.00	\$335.35

Disk Micrometer

- > Diameter of measuring disk: .787"/20mm
- > .028"/0.7mm edge thickness to enter narrow recesses.
- > With a standard bar except for 0 - 1" model.
- > With SPC output (Series 323).
- > With digit counter (Series 223).



Digital Rotating Spindle - IP65

Order No.	Range	Resolution	Accuracy	List	Promo
323-350	0 - 1" / 0 - 25.4mm	.00005" / 0.001mm	±.0002"	\$499.00	\$474.05
323-351	1 - 2" / 25.4 - 50.8mm	.00005" / 0.001mm	±.0002"	\$560.00	\$532.00
323-352	2 - 3" / 50.8 - 76.2mm	.00005" / 0.001mm	±.0003"	\$632.00	\$600.40
323-353	3 - 4" / 76.2 - 101.6mm	.00005" / 0.001mm	±.0003"	\$669.00	\$635.55

SPC cable with data switch - 1m: **05CZA662** 2m: **05CZA663**

Mechanical Rotating Spindle

Order No.	Range	Graduation	Accuracy	List	Promo
123-125	0 - 1"	.001"	±.0002"	\$244.00	\$231.80
123-126	1 - 2"	.001"	±.0002"	\$269.00	\$255.55
123-127	2 - 3"	.001"	±.0003"	\$285.00	\$270.75
123-128	3 - 4"	.001"	±.0003"	\$311.00	\$295.45
223-125*	0 - 1"	.001"	±.0003"	\$314.00	\$298.30

* Mechanical counter

Order No.	Range	Resolution	Accuracy	List	Promo
369-350	0 - 1" / 0 - 25.4mm	.00005" / 0.001mm	±.0002"	\$726.00	\$689.70
369-351	1 - 2" / 25.4 - 50.8mm	.00005" / 0.001mm	±.0002"	\$773.00	\$734.35
369-352	2 - 3" / 50.8 - 76.2mm	.00005" / 0.001mm	±.0003"	\$813.00	\$772.35
369-353	3 - 4" / 76.2 - 101.6mm	.00005" / 0.001mm	±.0003"	\$853.00	\$810.35
369-421	0 - 1.2" / 0 - 30.48mm	.00005" / 0.001mm	±.0002"	\$944.00	\$896.80
369-422	1 - 2.2" / 25.4 - 55.88mm	.00005" / 0.001mm	±.0002"	\$1,010.00	\$959.50

SPC cable with data switch - 1m: **05CZA662** 2m: **05CZA663**

Mechanical Non Rotating Spindle

Order No.	Range	Resolution	Accuracy	List	Promo
169-203	0 - 1"	.001"	±.0002"	\$361.00	\$342.95
169-204	1 - 2"	.001"	±.0002"	\$407.00	\$386.65
169-206	2 - 3"	.001"	±.0003"	\$422.00	\$400.90
169-208	3 - 4"	.001"	±.0003"	\$435.00	\$413.25

Screw Thread Micrometer

- > IP65 water/dust protection (Series 326).
- > 60 degree or 55 degree V-anvil and conical spindle (interchangeable) are optional, which are made of high-grade steel, hardened and precision ground.
- > With SPC output (Series 326).
- > With a standard bar except 0 - 1" model.



Shown with optional anvils

Digital

Order No.	Range	Resolution	Accuracy	List	Promo
326-351-10	0 - 1" / 0 - 25.4mm	.00005" / 0.001mm	±.0002"	\$666.00	\$632.70
326-352-10	1 - 2" / 25.4 - 50.8mm	.00005" / 0.001mm	±.0002"	\$705.00	\$669.75
326-353-10	2 - 3" / 50.8 - 76.2mm	.00005" / 0.001mm	±.0002"	\$759.00	\$721.05
326-354-10	3 - 4" / 76.2 - 101.6mm	.00005" / 0.001mm	±.00025"	\$802.00	\$761.90

SPC cable with data switch – 1m: **05CZA662** 2m: **05CZA663**

Mechanical

Order No.	Range	Graduation	Accuracy	List	Promo
126-137	0 - 1"	.001"	±.0002"	\$449.00	\$426.55
126-138	1 - 2"	.001"	±.0002"	\$537.00	\$510.15
126-139	2 - 3"	.001"	±.0002"	\$607.00	\$576.65
126-140	3 - 4"	.001"	±.00025"	\$712.00	\$676.40
126-141	4 - 5"	.001"	±.00025"	\$767.00	\$728.65
126-142	5 - 6"	.001"	±.00025"	\$809.00	\$768.55
126-143	6 - 7"	.001"	±.0003"	\$1,050.00	\$997.50

With anvil set (126 - 800)

126-901	0 - 1"	.001"	±.0002"	\$919.00	\$873.05
126-902	1 - 2"	.001"	±.0002"	\$1,010.00	\$959.50
126-903	2 - 3"	.001"	±.0002"	\$1,080.00	\$1,026.00
126-904	3 - 4"	.001"	±.00025"	\$1,170.00	\$1,111.50
126-905	4 - 5"	.001"	±.00025"	\$1,240.00	\$1,178.00
126-906	5 - 6"	.001"	±.00025"	\$1,280.00	\$1,216.00

Optional Anvil-spindle tip sets:

Applications	Set Order No.	Tip Information		
Metric Screw, Unified screw (60° threads)	126-800 List \$469.00 Promo \$445.55	Threads Per Inch	Pitch (mm)	Individual Order No.
		64-48 (M1)	0.4-0.5	126-801
		44-28 (M2)	0.6-0.9	126-802
		24-14 (M3)	1-1.75	126-803
		13-9 (M4)	2-3	126-804
		8-5 (M5)	3.5-5	126-805
Whitworth Screw (55° threads)	126-810 List \$589.00 Promo \$559.55	60-48	-	126-811
		48-40	-	126-812
		40-32	-	126-813
		32-24	-	126-814
		24-18	-	126-815
		18-14	-	126-816
		14-10	-	126-817
		10-7	-	126-818
		7-4.5	-	126-819
		4.5-3.5	-	126-820

Features: 60 degree or 55 degree V-anvil and conical spindle (interchangeable) are optional, which are made of high-grade special steel, hardened and precision ground. Storage Box Included

Uni-Mike

- > Measures tubing thickness, shoulder-edge distance, rivet head height, etc. with interchangeable anvils (flat anvil, rod anvil, V-anvil).
- > IP65 water/dust protection (Series 317).
- > Supplied with Flat Anvil (201216) and Rod Anvil: .118"/ø3mm dia. rod anvil (201217) for 0-1" models, .197"/ø5mm (201379) for 1-2"
- > With special optional Disk Anvils, the Uni-Mike can be used as a height micrometer.
- > With a standard bar except 0 - 1" model.



Digital

Order No.	Range	Resolution	Accuracy	List	Promo
317-351	0 - 1" / 0 - 25.4mm	.00005" / 0.001mm	±.0002"	\$529.00	\$502.55
317-352	1 - 2" / 25.4 - 50.8mm	.00005" / 0.001mm	±.0002"	\$538.00	\$511.10

SPC cable with data switch – 1m: **05CZA662** 2m: **05CZA663**

Mechanical

Order No.	Range	Graduation	Accuracy	List	Promo
117-107*	0 - 1"	.0001"	±.0002"	\$208.00	\$197.60
117-108*	1 - 2"	.0001"	±.0002"	\$244.00	\$231.80

*.0001" reading is obtained with vernier.

Micrometers

Gear Tooth Micrometer

- > Measures over-pin diameter of gears with precision steel (carbide) ball-tipped measuring faces.
- > With a standard bar except 0 - 1" model
- > Interchangeable ball anvil-spindle tips for various gear modules (0.5 - 5.25) are optional.



324-351-10

Shown with optional ball anvils



Digital

Order No.	Range	Resolution	Accuracy	List	Promo
324-351-10	0 - 1" / 0 - 25mm	.00005" / 0.001mm	±.0002"	\$625.00	\$593.75
324-352-10	1 - 2" / 25 - 50mm	.00005" / 0.001mm	±.0002"	\$730.00	\$693.50
324-353-10	2 - 3" / 50 - 75mm	.00005" / 0.001mm	±.0002"	\$734.00	\$697.30
324-354-10	3 - 4" / 75 - 100mm	.00005" / 0.001mm	±.00025"	\$769.00	\$730.55

SPC cable with data switch - 1m: 05CZA662 2m: 05CZA663

Optional Interchangeable ball anvil-spindle sets:

Order No.	Diameter of ball anvil	Gear module	Diametral pitch	List	Promo
124-801*	0.8mm	0.5 - 0.55	50	\$94.20	\$89.49
124-802*	1mm	0.6 - 0.65	45	\$94.20	\$89.49
124-803*	1.191mm (3/64")	0.7 - 0.8	35 - 30	\$94.20	\$89.49
124-821*	1.5mm	0.9 - 1	28 - 26	\$94.20	\$89.49
124-804*	1.588mm (1/16")	0.9 - 1	28 - 26	\$94.20	\$89.49
124-805*	2mm	1.25	22	\$94.20	\$89.49
124-806	2.381mm (3/32")	1.5	17	\$94.20	\$89.49
124-822	2.5mm	1.5	17	\$94.20	\$89.49
124-807	3mm	1.75	15	\$94.20	\$89.49
124-808	3.175mm (1/8")	—	14	\$94.20	\$89.49
124-823	3.5mm	2	13	\$94.20	\$89.49
124-809	3.969mm (5/32")	2	13	\$94.20	\$89.49
124-810	4mm	2.25	11	\$94.20	\$89.49
124-824	4.5mm	2.5	10	\$94.20	\$89.49
124-811	4.763mm (3/16")	2.5	10	\$94.20	\$89.49
124-812	5mm	2.75	9	\$94.20	\$89.49
124-813	5.556mm (7/32")	3.0 - 3.25	8	\$94.20	\$89.49
124-814	6mm	3.5	7	\$94.20	\$89.49
124-815	6.35mm (1/4")	3.75	7	\$94.20	\$89.49
124-816	7mm	4.0	6.5	\$94.20	\$89.49
124-817	7.144mm (9/32")	4.25	6	\$94.20	\$89.49
124-818	7.938mm (5/16")	4.5	5.5	\$94.20	\$89.49
124-819	8mm	4.75	5.5	\$94.20	\$89.49
124-820	8.731mm (11/32")	5.0 - 5.25	5	\$94.20	\$89.49

*Carbide-tipped type

Dial Snap Meters

- > Direct GO/NO-GO judgment for mass-produced parts.
- > Spindle diameter: .425" / 10.8mm
- > IP protection level: 54
- > Retractable anvil by pressing button



523-131

523-151



Order No.	Range	Graduation	Indicating range	List	Promo
523-131	0 - 1"	.00005"	±.0023"	\$830.00	\$788.50
523-132	1 - 2"	.00005"	±.0023"	\$864.00	\$820.80
523-133	2 - 3"	.00005"	±.0023"	\$994.00	\$944.30
523-134	3 - 4"	.00005"	±.0023"	\$1,020.00	\$969.00

Indicator is optional - Gage stem diameter 3/8"

Order No.	Range	Anvil movement	List	Promo
523-151	0 - 1"	.078"	\$449.00	\$426.55
523-152	1 - 2"	.078"	\$501.00	\$475.95
523-153	2 - 3"	.078"	\$671.00	\$637.45
523-154	3 - 4"	.078"	\$795.00	\$755.25

Crimp Height Micrometer

- > Crimp height micrometers are designed to measure the crimp height of electrical connectors after they are crimped on a wire.
- > IP65 water/dust protection



342-371

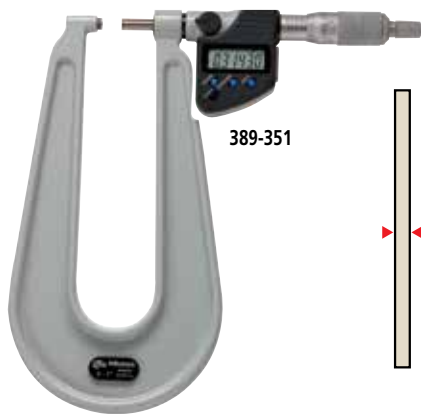
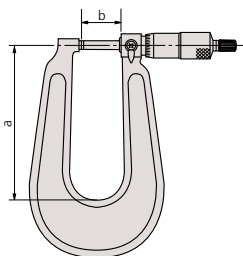


Order No.	Range	Resolution	Accuracy	List	Promo
342-371	0 - 0.8" / 0 - 20mm	.00005" / 0.001mm	±.00015"	\$470.00	\$446.50

SPC cable with data switch - 1m: 05CZA662 2m: 05CZA663

Sheet Metal Micrometer

- > Measures thickness of sheet metal, paper, plastic, and rubber parts.
- > With a standard bar except for 0 - 1" model.
- > IP65 water/dust protection (Series 389*) except for 389-714.



389-351



Anvil-Spindle Combinations



Standard, Flat-Flat



Spherical-Flat (S-F)



Spherical-Spherical (S-S)

Digital

Order No.	Range	Resolution	Accuracy	a/b	List	Promo
389-351			±.0002"	6.3"/1.08"	\$479.00	\$455.05
389-361 ^{S-F}	0 - 1" /	.00005" /	±.0002"	6.3"/1.08"	\$502.00	\$476.90
389-371 ^{S-S}	0 - 25.4mm	0.001mm	±.0002"	6.3"/1.08"	\$601.00	\$570.95
389-714 [†]			±.00025"	13"/1.38"	\$884.00	\$839.80
389-352			±.0002"	6.5"/1.08"	\$599.00	\$569.05
389-362 ^{S-F}	1 - 2" / 25.4	.00005" /	±.0002"	6.5"/1.08"	\$629.00	\$597.55
389-372 ^{S-S}	- 50.8mm	0.001mm	±.0002"	6.5"/1.08"	\$752.00	\$714.40

SPC cable with data switch – 1m: **05CZA662** 2m: **05CZA663** *1m: **959149** 2m: **959150**

Mechanical

Order No.	Range	Graduation	Accuracy	a/b	List	Promo
118-129	0 - 1"	.0001"*	±.0002"	6.3"/1.08"	\$240.00	\$228.00
118-116 ^{S-F}			±.0002"	6.3"/1.08"	\$230.00	\$218.50
118-120 ^{S-S}			±.0002"	6.3"/1.08"	\$237.00	\$225.15
118-107		.001"	±.00025"	13"/1.38"	\$398.00	\$378.10
118-112	1" - 2"	.001"	±.0002"	6.5"/1.08"	\$230.00	\$218.50

S-F: Spherical anvil and flat spindle

S-S: Spherical anvil and spherical spindle

*.0001" reading is obtained with vernier.

Quickmike

- > Non-rotating spindle and the new ratchet friction thimble.
- > Speedy spindle feed: .4"/rev.
- > With absolute linear scale.
- > IP54 dust/water protection (when not connected with data output cable).
- > With SPC data output.
- > With a standard bar to set the origin point (for models with a range over 1.2").



293-676



293-679



Order No.	Range	Resolution	Accuracy	List	Promo
293-676	0 - 1.2" / 0 - 30.48mm	.00005" / 0.001mm	±.0001"	\$593.00	\$563.35
293-677	1" - 2.2" / 25.4 - 55.88mm	.00005" / 0.001mm	±.0001"	\$648.00	\$615.60
293-678	2" - 3.2" / 50.8 - 81.28mm	.00005" / 0.001mm	±.00015"	\$705.00	\$669.75
293-679	3" - 4.2" / 76.2 - 106.68mm	.00005" / 0.001mm	±.00015"	\$769.00	\$730.55

SPC cable – 1m: **937387** 2m: **965013**

Low Force/Adjustable Force Micrometer

- > Constant and low measuring force mechanism in the thimble.
- > Adjustable measuring force* accommodates various kind of work materials. (*0.5-2.5N or 2-10N)
- > The measurement-value hold function automatically retains the data at a specified measuring force, ensuring accuracy.
- > Non-rotating spindle and the new ratchet friction thimble.
- > Speedy spindle feed: by .4"/rev.
- > With a standard bar to set the origin point (except for 0-.6", and 0-.4" models).
- > Resolution: .00005"/0.001mm Accuracy: ±.0001"



Order No.	Range	Measuring Force	List	Promo
227-211	0-.6"	0.5-2.5 (0.5, 1.0, 1.5, 2, 2.5) N	\$855.00	\$812.25
227-213	.6-1.2"	0.5-2.5 (0.5, 1.0, 1.5, 2, 2.5) N	\$901.00	\$855.95
227-215	0-.4"	2-10 (2, 4, 6, 8, 10) N	\$811.00	\$770.45
227-216	.4-.8"	2-10 (2, 4, 6, 8, 10) N	\$847.00	\$804.65
227-217	.8-1.2"	2-10 (2, 4, 6, 8, 10) N	\$874.00	\$830.30

SPC cable – 1m: **937387** 2m: **965013**

Micrometers

Pana Micrometer

- > Non-rotating spindle with optional interchangeable anvils (flat, spline, spherical, point, knife-edge, disk, and blade) for a wide range of applications.
- > V-anvils and conical spindle tips (matching pair) for screw thread measurement are also available.
- > With a standard bar except 0-1" model.



116-105
Shown with optional anvils

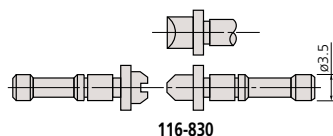
Mechanical

Order No.	Range	Graduation	Accuracy	List	Promo
116-105	0 - 1"	.001"	±.0002"	\$499.00	\$474.05
116-106	1" - 2"	.001"	±.0002"	\$592.00	\$562.40

Optional Accessories

Interchangeable V-anvil and conical spindle tip set: For Metric/Unified screw

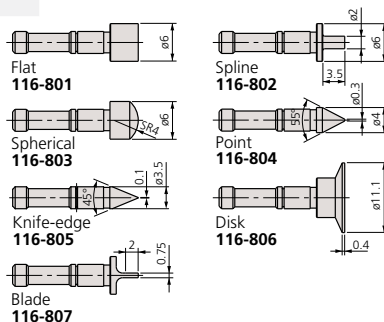
Order No.	Assortment of anvils and tips
116-830	0.4 - 0.5mm/64 - 48TPI (116-831) 0.6 - 0.9mm/44 - 28TPI (116-832) 1 - 1.75mm/24 - 14TPI (116-833) 2 - 3mm/13 - 9TPI (116-834) 3.5 - 5mm/8 - 5TPI (116-835) 5.5 - 7mm/4.5 - 3.5TPI (116-836)
List	\$469.00
Promo	\$445.55



116-830

Interchangeable anvils set

Order No.	Assortment of anvils
116-800	Flat anvils (116-801) Spline anvils (116-802) Spherical anvils (116-803) Point anvils (116-804) Knife-edge anvils (116-805) Disk anvils (116-806) Blade anvils (116-807)
List	\$549.00
Promo	\$521.55



Outside Micrometer Non-Rotating Spindle Type

- > With a standard bar except for 0-1" model.
- > Resolution: .00005"/0.001mm



ABSOLUTE SPC
Absolute System Powered by MITUTOYO

Order No.	Range	Accuracy	List	Promo
406-350	0 - 1"/0 - 25.4mm	±.00015"	\$745.00	\$707.75
406-351	1 - 2"/25.4 - 50.8mm	±.00015"	\$798.00	\$758.10
406-352	2 - 3"/50.8 - 72.6mm	±.00015"	\$843.00	\$800.85
406-353	3 - 4"/76.2 - 101.6mm	±.0002"	\$907.00	\$861.65

SPC cable with data switch - 1m: 05CZA662 2m: 05CZA663

Can Seam Micrometer

- > Measures the width, height, and depth of can seams.
- > Three types of micrometers are available for: steel cans, aluminum cans, and sprayer cans.



147-103

Order No.	Range	Graduation	Remarks	List	Promo
147-104	0 - .5"	.001"	for steel cans	\$221.00	\$209.95
147-106			for aluminum cans	\$221.00	\$209.95
147-201			for sprayer cans	\$170.00	\$161.50

Hub Micrometer

- > Measures hub thickness and shoulders inside a bore.
- > With a standard bar except for 0-1" model.



147-351

Order No.	Range	Graduation	Accuracy	List	Promo
147-351	0 - 1"	.001"	±.0001"	\$230.00	\$218.50
147-352	1 - 2"	.001"	±.0001"	\$278.00	\$264.10
147-353	2 - 3"	.001"	±.0001"	\$328.00	\$311.60
147-354	3 - 4"	.001"	±.00015"	\$387.00	\$367.65

Wire Micrometer

- > Designed for measuring wire thickness.
- > Also used to measure the diameter of a small ball.



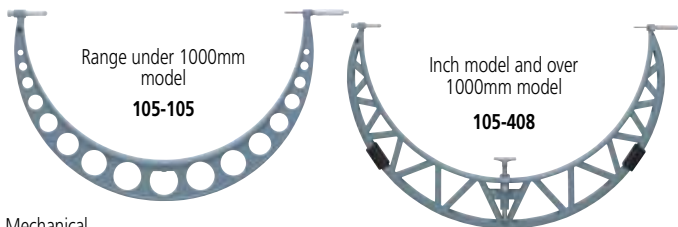
147-402

Order No.	Range	Graduation	Accuracy	List	Promo
147-402*	0 - .4"	.001"	±.00015"	\$215.00	\$204.25

* .0001" reading is obtained with vernier

Outside Micrometer with Extension Anvil Collars

- > 50mm/2" spindle stroke.
- > Supplied with setting standards bar for each range.
- > Square and round pipes are combined for light weight and rigid frame Workpiece stopper (for models over 1000mm range).
- > Graduations: 0.01mm/.001"



Mechanical

Order No.	Range	Extension collars	Mass (kg)	List	Promo
105-103	500 - 600mm	50mm	5.53	\$1,360.00	\$1,292.00
105-104	600 - 700mm	50mm	6.35	\$1,440.00	\$1,368.00
105-105	700 - 800mm	50mm	7.17	\$1,480.00	\$1,406.00
105-106	800 - 900mm	50mm	7.99	\$1,620.00	\$1,539.00
105-107	900 - 1000mm	50mm	8.81	\$1,870.00	\$1,776.50
105-408	1000 - 1100mm	50mm	6.37	\$2,820.00	\$2,679.00
105-409	1100 - 1200mm	50mm	7.08	\$3,020.00	\$2,869.00
105-418	1000 - 1200mm	50mm, 100mm	13.77	\$3,860.00	\$3,667.00
105-410	1200 - 1300mm	50mm	7.79	\$3,250.00	\$3,087.50
105-411	1300 - 1400mm	50mm	8.50	\$3,560.00	\$3,382.00
105-419	1200 - 1400mm	50mm, 100mm	15.77	\$4,770.00	\$4,531.50
105-412	1400 - 1500mm	50mm	9.21	\$3,870.00	\$3,676.50
105-413	1500 - 1600mm	50mm	10.17	\$4,270.00	\$4,056.50
105-420	1400 - 1600mm	50mm, 100mm	17.91	\$5,670.00	\$5,386.50
105-414	1600 - 1700mm	50mm	11.13	\$4,650.00	\$4,417.50
105-415	1700 - 1800mm	50mm	12.09	\$4,960.00	\$4,712.00
105-421	1600 - 1800mm	50mm, 100mm	20.80	\$6,570.00	\$6,241.50
105-416	1800 - 1900mm	50mm	13.05	\$5,150.00	\$4,892.50
105-417	1900 - 2000mm	50mm	14.01	\$5,500.00	\$5,225.00
105-422	1800 - 2000mm	50mm, 100mm	22.76	\$7,510.00	\$7,134.50
105-428	40 - 44"	2"	10	\$2,820.00	\$2,679.00
105-429	44 - 48"	2"	10.9	\$3,020.00	\$2,869.00
105-430	48 - 52"	2"	11.4	\$3,250.00	\$3,087.50
105-431	52 - 56"	2"	11.9	\$3,560.00	\$3,382.00
105-432	56 - 60"	2"	12.6	\$3,870.00	\$3,676.50
105-433	60 - 64"	2"	13.2	\$4,270.00	\$4,056.50
105-434	64 - 68"	2"	14.1	\$4,650.00	\$4,417.50
105-435	68 - 72"	2"	14.9	\$4,960.00	\$4,712.00
105-436	72 - 76"	2"	15.8	\$5,150.00	\$4,892.50
105-437	76 - 80"	2"	16.7	\$5,500.00	\$5,225.00

* Some products above are custom orders

Outside Micrometer with Interchangeable Anvils

- > Wide measuring range with interchangeable anvils.
- > Supplied with zero-setting standards bar for each range.



Order No.	Range	Resolution	List	Promo
340-351-10	0-6" / 0-152.4mm	.00005" / 0.001mm	\$732.00	\$695.40
340-352-10	6-12" / 152.4 - 304.8mm	.0001" / 0.001mm	\$900.00	\$855.00
340-720*	12-18" / 304.8 - 457.2mm	.0001" / 0.001mm	\$1,130.00	\$1,073.50
340-721*	18-24" / 457.2 - 609.6mm	.0001" / 0.001mm	\$1,280.00	\$1,216.00
340-722*	24-30" / 609.6 - 762.0mm	.0001" / 0.001mm	\$1,420.00	\$1,349.00
340-723*	30-36" / 762.0 - 914.4mm	.0001" / 0.001mm	\$1,500.00	\$1,425.00

SPC cable with data switch - 1m: **05CZA662** 2m: **05CZA663**
* 1m: **959149** 2m: **959150**

Digimatic Micrometer

- > Wide range micrometers have an oversize frame and multiple anvils to allow a single micrometer to be used over a 6" range. This reduces tool cost for infrequently measured ranges.



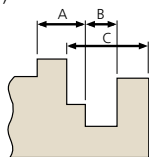
Order No.	Range	Resolution	Accuracy	List	Promo
293-782	12" - 13" / 304.8 - 330.2mm	.0001" / 0.001mm	±.0003"	\$794.00	\$754.30
293-783	13" - 14" / 330.2 - 355.6mm	.0001" / 0.001mm	±.0003"	\$813.00	\$772.35
293-784	14" - 15" / 355.6 - 381.0mm	.0001" / 0.001mm	±.0003"	\$828.00	\$786.60
293-785	15" - 16" / 381.0 - 406.4mm	.0001" / 0.001mm	±.00035"	\$837.00	\$795.15
293-786	16" - 17" / 406.4 - 431.8mm	.0001" / 0.001mm	±.00035"	\$850.00	\$807.50
293-787	17" - 18" / 431.8 - 457.2mm	.0001" / 0.001mm	±.00035"	\$870.00	\$826.50
293-788	18" - 19" / 457.2 - 482.6mm	.0001" / 0.001mm	±.0004"	\$883.00	\$838.85

SPC cable with data switch - 1m: **959149** 2m: **959150**

Calipers

Offset Caliper

- > Main scale jaw can slide up and down to facilitate measurement of stepped sections. (Hard-to-get-at dimensions such as A, B, C can be accurately measured.)
- > With depth bar.
- > With SPC data output. (Series 573)



573-701

IP67 **SPC** **ABSOLUTE**
Absolute System Powered by MIKTOYO

Order No.	Range	Accuracy	Resolution	List	Promo
573-701	0 - 6" / 0 - 150mm	±.001"	.0005" / 0.01mm	\$464.00	\$440.80
573-702	0 - 8" / 0 - 200mm	±.001"	.0005" / 0.01mm	\$532.00	\$505.40
573-704	0 - 12" / 0 - 300mm	±.0015"	.0005" / 0.01mm	\$714.00	\$678.30

SPC cable with data switch - 1m: **05CZA624** 2m: **05CZA625**

Offset Centerline Caliper

- > Specially designed for center to center distance measurements on the same and offset planes.
- > Can also measure from edge to center.
- > With SPC data output.



IP67 **SPC** **ABSOLUTE**
Absolute System Powered by MIKTOYO

Order No.	Range	Accuracy	Resolution	List	Promo
573-705	.4 - 6" / 10 - 150mm	±.0015"	.0005" / 0.01mm	\$583.00	\$553.85
573-706	.4 - 8" / 10 - 200mm	±.0015"	.0005" / 0.01mm	\$647.00	\$614.65
573-708	.4 - 12" / 10 - 300mm	±.0015"	.0005" / 0.01mm	\$801.00	\$760.95

SPC cable with data switch - 1m: **05CZA624** 2m: **05CZA625**

Point Caliper

- > Narrow tip jaws fit into very small grooves and tracks, making many previously difficult outside measurements far easier to obtain.
- > With depth bar.
- > With SPC data output.



573-721

IP67 **SPC** **ABSOLUTE**
Absolute System Powered by MIKTOYO

Order No.	Range	Accuracy	Resolution	List	Promo
573-721	0 - 6" / 0 - 150mm	±.001"	.0005" / 0.01mm	\$407.00	\$386.65
573-725*	0 - 6" / 0 - 150mm	±.001"	.0005" / 0.01mm	\$505.00	\$479.75

* Extended tips

SPC cable with data switch - 1m: **05CZA624** 2m: **05CZA625**

Blade Type Caliper

- > The thin blade type jaws fit into very small grooves and making previously difficult outside measurements far easier to obtain.
- > The OD measuring faces are carbide-tipped.
- > With depth bar.
- > With SPC data output.
- > Blade thickness: .03"



573-734

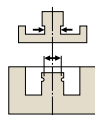
IP67 **SPC** **ABSOLUTE**
Absolute System Powered by MIKTOYO

Order No.	Range	Accuracy	Resolution	List	Promo
573-734	0 - 6" / 0 - 150mm	±.001"	.0005" / 0.01mm	\$575.00	\$546.25

SPC cable with data switch - 1m: **05CZA624** 2m: **05CZA625**

Neck Caliper

- > Point jaw type can measure wall thickness inside bores and recesses.
- > Flat jaw type can measure grooves and recesses.
- > With SPC data output.



573-752



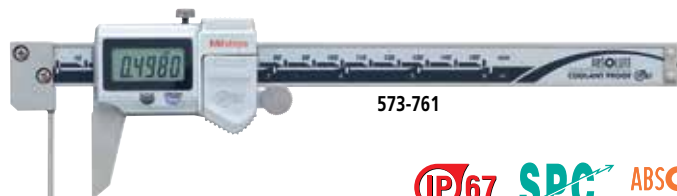
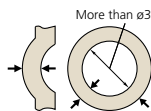
Order No.	Range	Accuracy	Resolution	List	Promo
573-751	0 - 6" / 0 - 150mm	±.0015"	.0005" / 0.01mm	\$667.00	\$633.65
573-752*	0 - 6" / 0 - 150mm	±.0015"	.0005" / 0.01mm	\$802.00	\$761.90

*Point jaw type

SPC cable with data switch - 1m: 05CZA624 2m: 05CZA625

Tube Thickness Caliper

- > The main scale jaw is a round bar that facilitates measurements of tube wall thickness.
- > With SPC data output.



573-761

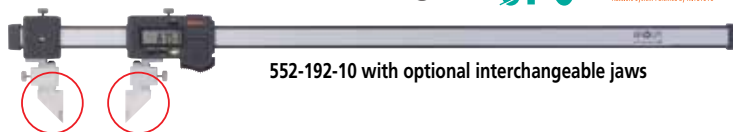


Order No.	Range	Accuracy	Resolution	List	Promo
573-761	0 - 6" / 0 - 150mm	±.002"	.0005" / 0.01mm	\$645.00	\$612.75

SPC cable with data switch - 1m: 05CZA624 2m: 05CZA625

Coolant Proof Carbon Fiber Caliper with Interchangeable Jaws

- > The range of applications can be expanded by using interchangeable jaws (optional).
- > Quick and easy exchanging of jaws due to the unique clamping mechanism. (A pair of clamping wheels is a standard accessory.)
- > Provided with preset function for setting a desired starting point, which allows direct readout of offset measurements.
- > Resolution: .0005" / 0.01mm



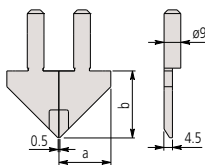
552-192-10 with optional interchangeable jaws

Order No.	Range	Accuracy	List	Promo
552-191-10	0 - 18" / 0 - 450mm	±.002"	\$910.00	\$864.50
552-192-10	0 - 24" / 0 - 600mm	±.002"	\$940.00	\$893.00
552-193-10	0 - 40" / 0 - 1000mm	±.002"	\$1,510.00	\$1,434.50
552-194-10	0 - 60" / 0 - 1500mm	±.004"	\$2,450.00	\$2,327.50
552-195-10	0 - 80" / 0 - 2000mm	±.005"	\$3,430.00	\$3,258.50

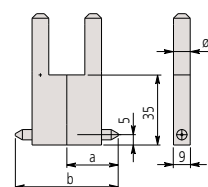
SPC cable with data switch - 1m: 05CZA624 2m: 05CZA625

Interchangeable Jaws (optional)

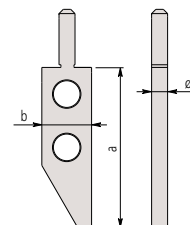
Standard type



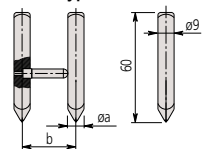
Inside point type



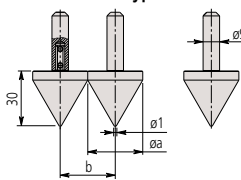
Surface Plate Type



Scriber Type



Centerline Type

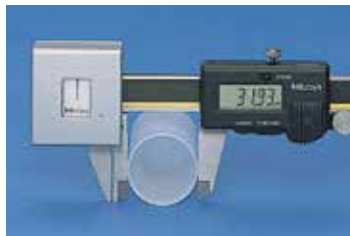


Order No.	Components	a	b	List	Promo
Standard type					
07CZA056	Right (07CAA044), Left (07CAA045)	28mm (1.1")	30mm (1.2")	\$308.00	\$292.60
Inside Point Type					
07CZA058	07CZA041 x 2pcs.	25mm	50mm	\$317.00	\$301.15
07CZA059	07CZA048 x 2pcs.	1"	2"	\$342.00	\$324.90
Scriber Type					
07CZA055	Right (07CZA042), Left (07CZA043)	8mm	30mm	\$335.00	\$318.25
07CZA061	Right (07CZA042), Left (07CZA049)	0.31"	1.2"	\$342.00	\$324.90
Surface Plate Type					
07CZA044		3.5" / 90mm	1.1" / 28mm	\$267.00	\$253.65
Centerline Type					
07CZA057	07CZA039 x 2pcs.	30mm	30mm	\$342.00	\$324.90
07CZA060	07CZA047 x 2pcs.	1.2"	1.2"	\$317.00	\$301.15

Calipers

Low Force Caliper

- > Due to the low measuring force these calipers are ideal for elastic or resilient workpieces such as plastic parts and rubber parts that standard calipers can't measure.
- > With SPC data output.



Measurement procedures



To measure resilient workpieces take the measurement when the pointer is between the two index lines.



573-191-20



Order No.	Range	Accuracy	Resolution	List	Promo
573-291-20	0 - 7" / 0 - 180mm	±.002"	.0005" / 0.01mm	\$1,060.00	\$1,007.00

SPC cable with data switch - 1m: 959149 2m: 959150

Snap Caliper

- > The ABSOLUTE Digimatic snap caliper features a spring-loaded mechanism to allow quick and efficient GO/NO-GO inspection for mass production parts.
- > With SPC data output.



573-281-20



Order No.	Range	Accuracy	Resolution	List	Promo
573-281-20	0 - 4" / 0 - 100mm	±.001"	.0005" / 0.01mm	\$423.00	\$401.85
573-282-20	0 - 6" / 0 - 150mm	±.001"	.0005" / 0.01mm	\$491.00	\$466.45

SPC cable with data switch - 1m: 959149 2m: 959150

Super Caliper-Solar Powered, Coolant Proof

- > Origin restoration unnecessary, a measurement can be started any time and with unlimited response speed.
- > No battery or origin reset needed for IP67 Digital Caliper
- > World's most unique solar-powered Super Caliper that is eco-friendly with no battery and has IP67 protection.
- > The impact resistance of the display unit has been increased for improved usability in workshop conditions.
- > This Super Caliper uses components that do not contain harmful substances and is compatible with RoHS Directives.



500-784



Improvement in surface finish of beam

Conventional

Ra: 0.126µm

Super Caliper

Ra: 0.07µm

Insufficient illumination state

16.78mm

Sufficient illumination state

0.00

No need for origin set up

Order No.	Range	Accuracy	Resolution	List	Promo
500-786	0 - 6" / 0 - 150mm	±.001"	.0005" / 0.01mm	\$267.00	\$253.65
500-784*	0 - 6" / 0 - 150mm	±.001"	.0005" / 0.01mm	\$235.00	\$223.25
500-787	0 - 8" / 0 - 200mm	±.001"	.0005" / 0.01mm	\$330.00	\$313.50
500-785*	0 - 8" / 0 - 200mm	±.001"	.0005" / 0.01mm	\$306.00	\$290.70

*Without SPC data output

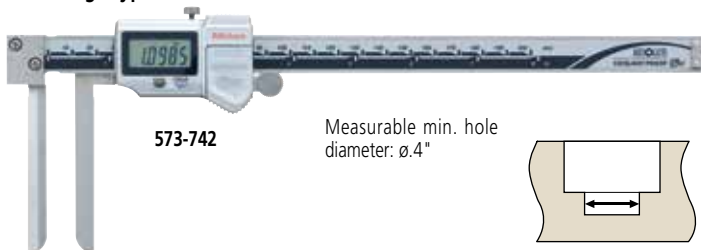
SPC cable with data switch - 1m: 05CZA624 2m: 05CZA625

Inside Caliper Knife-edge/Inside Groove/Point Jaw Type

- Special ID Jaw Calipers are designed for difficult to measure areas such as ID grooves or recessed areas.
- With SPC data output.



Knife-edge type



Inside groove type



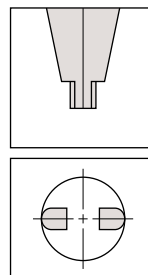
Point jaw type



Order No.	Range	Accuracy	List	Promo
573-742	.4" - 8" / 10-200mm	\pm .002"	\$910.00	\$864.50
573-745	.4" - 6" / 10-150mm	\pm .002"	\$727.00	\$690.65
573-746	.8" - 6" / 20-150mm	\pm .0015"	\$883.00	\$838.85

Long Jaw Vernier Caliper and Fine Adjustment

- Long jaws for measuring hard-to-reach features.
- The jaws have round measuring faces for accurate ID measurement.
- With fine adjustment carriage to feed the slider finely.



Round surface of jaws for accurate CD measurement



Order No.	Range*	Accuracy	Graduation		List	Promo
			Lower	Upper		
with metric/inch dual scale						
534-101	0 (10) - 300mm / 0 (.3") - 12"	\pm 0.07mm	0.05mm	1/128"	\$506.00	\$480.70
534-105	0 (10) - 300mm / 0 (.3") - 12"	\pm 0.04mm	0.02mm	.001"	\$506.00	\$480.70
534-102	0 (20) - 500mm / 0 (.8") - 20"	\pm 0.13mm	0.05mm	1/128"	\$762.00	\$723.90
534-106	0 (20) - 500mm / 0 (.8") - 20"	\pm 0.06mm	0.02mm	.001"	\$871.00	\$827.45
534-103	0 (20) - 700mm / 0 (.8") - 30"	\pm 0.16mm	0.05mm	1/128"	\$1,380.00	\$1,311.00
534-107	0 (20) - 700mm / 0 (.8") - 30"	\pm 0.08mm	0.02mm	.001"	\$1,150.00	\$1,092.50
534-104	0 (20) - 1000mm / 0 (.8") - 40"	\pm 0.20mm	0.05mm	1/128"	\$1,400.00	\$1,330.00
534-108	0 (20) - 1000mm / 0 (.8") - 40"	\pm 0.10mm	0.02mm	.001"	\$1,600.00	\$1,520.00
with inch/inch dual scale						
534-117	0 (.3") - 12"	\pm .002"	.001"	.001"	\$506.00	\$480.70
534-118	0 (.8") - 20"	\pm .003"	.001"	.001"	\$871.00	\$827.45
534-119	0 (.8") - 30"	\pm .004"	.001"	.001"	\$1,150.00	\$1,092.50
534-120	0 (.8") - 40"	\pm .004"	.001"	.001"	\$1,600.00	\$1,520.00

* () : Minimum dimension in ID measurement

You Tube

Watch our videos on Specialty Calipers & Micrometers on our YouTube channel:
<http://www.mitutoyo.com/ytplaylist>



Calipers

Vernier Caliper with Nib Style Jaws and Fine Adjustment

- > The jaws have round measuring faces for accurate ID measurement.
- > With fine adjustment carriage to feed the slider finely.
- > Inside and outside measurements can be directly read from the upper and lower slider graduations, respectively.
- > Supplied with vinyl holster in fitted carton. Except 12" / 300mm, 18" / 450mm and 24" / 600mm are fitted carton only. Over 24" / 600mm supplied in wooden case.



Order No.	Range*	Accuracy	Graduation		List	Promo
			Lower	Upper		

with metric/inch dual scale

160-150	0 (10) - 300mm / 0 (.3") - 12"	±0.04mm	0.02mm	.001"	\$483.00	\$458.85
160-151	0 (20) - 450mm / 0 (.5") - 18"	±0.05mm	0.02mm	.001"	\$737.00	\$700.15
160-153	0 (20) - 600mm / 0 (.5") - 24"	±0.05mm	0.02mm	.001"	\$1,340.00	\$1,273.00
160-155	0 (20) - 1000mm / 0 (1") - 40"	±0.07mm	0.02mm	.001"	\$1,640.00	\$1,558.00
160-157	0 (20) - 1500mm / 0 (1") - 60"	±0.09mm	0.02mm	.001"	\$3,210.00	\$3,049.50
160-159	0 (20) - 2000mm / 0 (1") - 80"	±0.12mm	0.02mm	.001"	\$4,270.00	\$4,056.50

with inch/inch dual scale

160-124	0 (.3") - 12"	±.0015"	.001"	.001"	\$483.00	\$458.85
160-116	0 (.5") - 18"	±.002"	.001"	.001"	\$737.00	\$700.15
160-102	0 (.5") - 24"	±.002"	.001"	.001"	\$890.00	\$845.50
160-105	0 (1") - 40"	±.003"	.001"	.001"	\$1,650.00	\$1,567.50
160-111	0 (1") - 60"	±.004"	.001"	.001"	\$3,200.00	\$3,040.00
160-114	0 (1") - 80"	±.005"	.001"	.001"	\$4,110.00	\$3,904.50

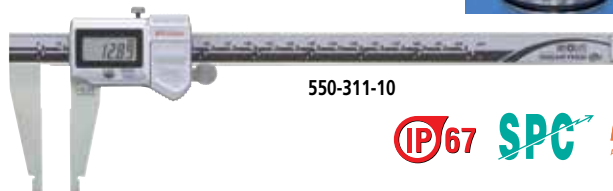
with inch/metric dual scale

160-125	0 (.3") - 12" / 0 (10) - 300mm	±.0015"	.001"	0.02mm	\$483.00	\$458.85
160-119	0 (.5") - 18" / 0 (20) - 450mm	±.002"	.001"	0.02mm	\$737.00	\$700.15
160-103	0 (.5") - 24" / 0 (20) - 600mm	±.002"	.001"	0.02mm	\$890.00	\$845.50
160-106	0 (1") - 40" / 0 (20) - 1000mm	±.003"	.001"	0.02mm	\$1,650.00	\$1,567.50
160-112	0 (1") - 60" / 0 (20) - 1500mm	±.004"	.001"	0.02mm	\$3,200.00	\$3,040.00
160-115	0 (1") - 80" / 0 (20) - 2000mm	±.005"	.001"	0.02mm	\$4,270.00	\$4,056.50

*(): Minimum dimension in ID measurement

Digimatic & Vernier Caliper with Nib Style Jaws

- > The rounded faces of the jaws are ideal for accurate ID (inside diameter) measurement.
- > With SPC output.



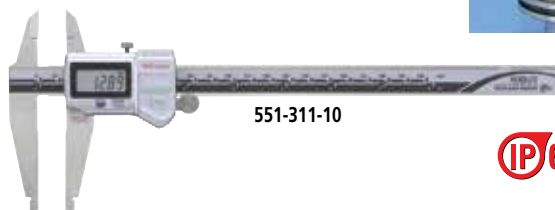
SPC cable with data switch – 1m: **05CZA624** 2m: **05CZA625**

Order No.	Range*	Accuracy	Resolution	List	Promo
550-311-10	0 (.4") - 8" / 0 (10) - 200mm	±.001"	.0005" / 0.01mm	\$525.00	\$498.75
550-341-10	0 (.4") - 12" / 0 (10) - 300mm	±.0015"	.0005" / 0.01mm	\$763.00	\$724.85
550-223-10**	0 (.5") - 18" / 0 (20) - 450mm	±.002"	.0005" / 0.01mm	\$956.00	\$908.20
550-225-10**	0 (.5") - 24" / 0 (20) - 600mm	±.002"	.0005" / 0.01mm	\$1,070.00	\$1,016.50
550-227-10**	0 (1") - 40" / 0 (20) - 1000mm	±.003"	.0005" / 0.01mm	\$1,910.00	\$1,814.50

*(): Minimum dimension in ID measurement **Models are not IP67 rated

Digimatic Caliper with Nib Style and Standard Jaws

- > The rounded faces of the jaws are ideal for accurate ID (inside diameter) measurement.
- > With SPC output.



SPC cable with data switch – 1m: **05CZA624** 2m: **05CZA625**

Order No.	Range*	Accuracy	Resolution	List	Promo
551-311-10	0 (.4") - 8" / 0 (10) - 200mm	±.001"	.0005" / 0.01mm	\$579.00	\$550.05
551-341-10	0 (.4") - 12" / 0 (10) - 300mm	±.002"	.0005" / 0.01mm	\$829.00	\$787.55
551-224-10**	0 (.5") - 20" / 0 (20) - 500mm	±.0025"	.0005" / 0.01mm	\$1,220.00	\$1,159.00
551-226-10**	0 (.5") - 30" / 0 (20) - 750mm	±.0025"	.0005" / 0.01mm	\$1,980.00	\$1,881.00
551-227-10**	0 (1") - 40" / 0 (20) - 1000mm	±.003"	.0005" / 0.01mm	\$2,080.00	\$1,976.00

*(): Minimum dimension in ID measurement ** Models are not IP67 rated

SPC Connecting Cables (optional)



959149: 1m (40")
959150: 2m (80")



05CZA662: 1m (40")
05CZA663: 2m (80")



05CZA624: 1m (40")
05CZA625: 2m (80")



937387: 1m (40")
965013: 2m (80")

Order No.	Description	List	Promo
With Data Out Switch			
05CZA624	1m — IP66/67 Calipers	\$93.90	\$84.50
05CZA625	2m — IP66/67 Calipers	\$95.35	\$86.00
05CZA662	1m — IP65 Micrometers	\$83.80	\$75.50
05CZA663	2m — IP65 Micrometers	\$92.45	\$83.50
959149	1m - Non IP Calipers, Large Micrometers	\$49.25	\$44.50
959150	1m - Non IP Calipers, Large Micrometers	\$55.20	\$50.00
Without Data Out Switch			
937387	1m - QuickMike models	\$50.85	\$45.80
965013	2m - QuickMike models	\$60.10	\$54.50

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Sensor Systems	Test Equipment and Seismometers	Digital Scale and DRO Systems	Small Tool Instruments and Data Management

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