

Mitutoyo



J.A. KING

PRECISION MEASUREMENT PROFESSIONALS

SAVE 10%



INDICATOR PROMOTION

Dial Test, Dial, Digimatic

Effective July 1, 2016 through August 31, 2016

INDICATOR PROMOTION

Mitutoyo Quality



INDICATOR PROMOTION

Effective July 1, 2016 through August 31, 2016

SAVE 10%

"Quick-Set" Test Indicators

The most direct gear train design ever applied to Test Indicators means higher levels of sensitivity, reliability, repeatability and accuracy throughout tool life.

Order No.	Graduation	Range	Force	Accuracy	List Price	Sale Price
513-406	.0005"	.03"	.03N or less	±.0005"	\$152.00	\$136.80
513-406T	.0005"	.03"	.03N or less	±.0005"	\$169.00	\$152.10
513-472*	.0005"	.03"	.072N or less	±.0005"	\$145.00	\$130.50

* Ruby Stylus



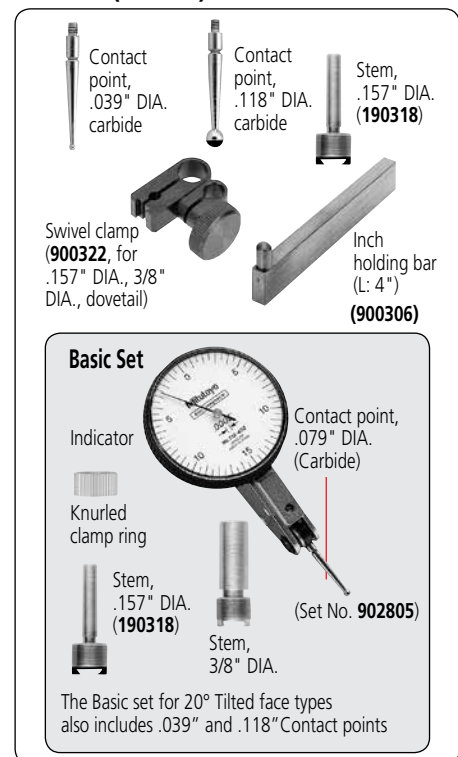
Truetest™ 20° & Vertical Dial Test Indicators

The most direct gear train design ever applied to Test Indicators means higher levels of sensitivity, reliability, repeatability and accuracy throughout tool life.

- Smooth spindle movement for increased measuring accuracy
- 20° tilted dial face for easy reading
- Anti-magnetic characteristics

Order No.	Graduation	Range	Dial Face	Remarks	List Price	Sale Price
513-442	.0005"	.060"	0-15-0		\$176.00	\$158.40
513-442T	.0005"	.060"	0-15-0	Set	\$199.00	\$179.10
513-443	.0001"	.016"	0-4-0		\$221.00	\$198.90
513-443T	.0001"	.016"	0-4-0	Set	\$251.00	\$225.90
513-446	.0005"	.060"	0-15-0	Long Point	\$235.00	\$211.50
513-446T	.0005"	.060"	0-15-0	Long Point Set	\$265.00	\$238.50
513-452	.0005"	.03"	0-15-0	Vertical	\$169.00	\$152.10
513-452T	.0005"	.03"	0-15-0	Vertical Set	\$186.00	\$167.40
513-453	.0001"	.008"	0-4-0	Vertical	\$201.00	\$180.90
513-453T	.0001"	.008"	0-4-0	Vertical Set	\$222.00	\$199.80

Full Set (T suffix)



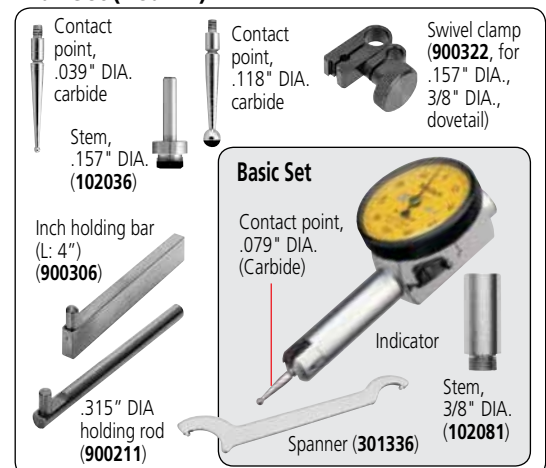
Pocket Type Test Indicator

- Jeweled bearings
- Reversible measuring direction
- Contact points adjustable within 220°

Order No.	Graduation	Range	Dial Face	Accuracy	List Price	Sale Price
513-504	.0001"	01"	0-5-0	±.0002"	\$151.00	\$135.90
513-504T	.0001"	01"	0-5-0	±.0002"	\$176.00	\$158.40
513-512**	.0005"	.02"	0-10-0	±.0005"	\$174.00	\$156.60
513-512T**	.0005"	.02"	0-10-0	±.0005"	\$182.00	\$163.80
513-518	.001"	.04"	0-20-0	±.001"	\$129.00	\$116.10
513-518T	.001"	.04"	0-20-0	±.001"	\$138.00	\$124.20
513-528*	.001"	.04"	0-20-0	±.001"	\$126.00	\$113.40
513-528T*	.001"	.04"	0-20-0	±.001"	\$145.00	\$130.50

* Compact Style, ** Long Point

Full Set (T suffix)



Series Two Dial Indicators

Order No.	Graduation	Range	Dial Face	Accuracy	Remarks	List Price	Sale Price
2802S-10	.0001"	.025"	0-10	±.0001"	Jeweled, Shock Proof	\$160.00	\$144.00
2803S-10	.0001"	.025"	0-5-0	±.0001"	Jeweled, Shock Proof	\$160.00	\$144.00
2803SB-10*	.0001"	.025"	0-5-0	±.0001"	Jeweled, Shock Proof	\$160.00	\$144.00
2804S-10	.0001"	.05"	0-10	±.0002"	Jeweled, Shock Proof	\$165.00	\$148.50
2923S-10	.0001"	.05"	0-5-0	±.0002"	Jeweled, Shock Proof, reversed	\$162.00	\$145.80
2923SB-10*	.0001"	.05"	0-5-0	±.0002"	Jeweled, Shock Proof, reversed	\$162.00	\$145.80
2805S-10	.0001"	.05"	0-5-0	±.0002"	Jeweled, Shock Proof	\$165.00	\$148.50
2358S-10	.0001"	.5"	0-10	±.0008"	Jeweled	\$220.00	\$198.00
2414S	.001"	.5"	0-100	±.001"		\$110.00	\$99.00
2416S	.001"	1"	0-100	±.002"		\$119.00	\$107.10
2416S-10	.001"	1"	0-100	±.002"	Jeweled	\$141.00	\$126.90
2417S	.001"	1"	0-50-0	±.002"		\$119.00	\$107.10
2904S	.001"	1"	100-0	±.002"		\$124.00	\$111.60
2424S-19	.001"	2"	0-100	±.003"	Jeweled, Shock Proof	\$220.00	\$198.00
2910S-10	.0001"	.01"	4-0-4	±0.0001"	Jeweled, one revolution	\$182.00	\$163.80

* Flat Back

- Mitutoyo Dial Indicators provide the accuracy and durability you have come to expect and depend on from Mitutoyo. All dial indicators have stainless steel stems and hard coated low glare crystals.



2416S

ABSOLUTE Digimatic Indicator ID-S

- As compact as standard Series 2 dial indicators.
- After the initial zero-setting with the ORIGIN button, the repeated absolute positioning is no longer necessary over the entire battery life.
- Employing the ABSOLUTE linear encoder, the ID-S always displays the spindle "Absolute Position" from the origin at power-on. Also unlimited response speed eliminates over-speed errors.
- SPC data output.



543-782B

543-792B



Stem dia. 3/8" #4-48 UNF Thread

Order No.	Resolution	Range	Accuracy	Measuring force	Remarks	List Price	Sale Price
543-792	.00005"/0.001mm	.5" / 12.7mm	±.0001"	1.5N or less	w/ lug back	\$273.00	\$245.70
543-792B	.00005"/0.001mm	.5" / 12.7mm	±.0001"	1.5N or less	w/ flat-back	\$273.00	\$245.70
543-796	.00005"/0.001mm	.5" / 12.7mm	±.0001"	2.5N or less	w/ lug back	\$301.00	\$270.90
543-796B	.00005"/0.001mm	.5" / 12.7mm	±.0001"	2.5N or less	w/ flat-back	\$301.00	\$270.90
543-793	.0001"/0.001mm	.5" / 12.7mm	±.0001"	1.5N or less	w/ lug back	\$273.00	\$245.70
543-793B	.0001"/0.001mm	.5" / 12.7mm	±.0001"	1.5N or less	w/ flat-back	\$273.00	\$245.70
543-783	.0005"/0.01mm	.5" / 12.7mm	±.0010"	1.5N or less	w/ lug back	\$177.00	\$159.30
543-783B	.0005"/0.01mm	.5" / 12.7mm	±.0010"	1.5N or less	w/ flat-back	\$177.00	\$159.30

ABSOLUTE Digimatic Indicator ID-U

- Slim type digital indicator.
- Simple key operation.
- After the initial origin setting, the ID-U no longer needs positioning over the entire battery life; the origin is remembered even after power-off.
- Ideal for installation into measuring devices because of its compact design and long battery life.
- Employing the ABSOLUTE linear encoder, the ID-U always displays the spindle "Absolute Position" from the origin at power-on. Also unlimited response speed eliminates over-speed errors.
- Flat back type only, no option for backs.
- SPC data output.



575-123

Order No.	Resolution	Range	Model	Accuracy	Measuring force	List Price	Sale Price
575-123	.0005"/0.01mm	1" / 25.4mm	ID-U1025E	.0008"	1.8N or less	\$195.00	\$175.50

Peak Hold-Type ABSOLUTE Digimatic Indicator ID-C With Max./Min. Value Holding Function

- The maximum, minimum, or runout value can be displayed during measurement.
- The new Peak Hold-Type Digimatic Indicator features both a Key-Lock and Parameter-Lock. This is designed to prevent accidental changing of settings during operation.
- Parameter setting software makes it even easier to set all of the available parameters. (optional)
- An analog bar provides easy to read values when scanning for Max, Min, and TIR Values.

- GO/±NG judgment is performed by setting the upper and lower tolerances for max., min. and runout values.
- High speed sampling ratio of 50 times/s.
- Employing the ABSOLUTE linear encoder, the Signal ID-C always displays the spindle "Absolute Position" from the origin at power-on.
- SPC data output.



543-302B

Stem dia. 3/8" #4-48 UNF Thread

Order No.	Resolution	Range	Accuracy	Remarks	List Price	Sale Price
543-302	.00005"/.0001"/.0005" 0.001/0.01mm Selectable	.5"/12.7mm	±.00010"/0.003mm	w/lug	\$445.00	\$400.50
543-302B		.5"/12.7mm	±.00010"/0.003mm	Flat-back	\$445.00	\$400.50

Bore Gage Type ABSOLUTE Digimatic Indicator ID-C



- The minimum value holding function provides the easy of detection of hole diameter.
- The new Bore Gage-Type Digimatic Indicator features both a Key-Lock and Parameter-Lock. This is designed to prevent accidental changing of settings during operation.
- Parameter setting software makes it even easier to set all of the available parameters.(optional)
- FAST measurement frequency allows the user to increase the number of readings per second from 10 to 50.
- An analog bar indicator is integrated to enhance the intuition in reading.
- GO/±NG judgment is performed by setting the upper and lower tolerances.
- Up to three sets of master values and upper/lower tolerance values can be memorized.
- Employing the ABSOLUTE linear encoder, the ID-C always displays the spindle "Absolute Position" from the origin at power-on.
- SPC data output.



Installed on optional bore gage probe (511-703)

Order No.	Resolution	Range	Accuracy	Measuring Force	List Price	Sale Price
543-312B	.00005"/.0001"/.0005" 0.001/0.01mm Selectable	.5"/12.7mm	±.00010"/0.003mm	1.5N or less	\$445.00	\$400.50

Calculation Type Digimatic Indicator ID-C

- The Absolute Digimatic indicator performs internal calculations using the formula Ax+B+Cx-1 (assuming spindle displacement as x) while the specified coefficients A, B and, C can be set with respect to the purpose of measurement or dimensions of the fixtures. This unique features allows you to read your measurements directly, without fumbling for conversions.
- The new Calculation-Type Digimatic Indicator features both a Key-Lock and Parameter-Lock. This is designed to prevent accidental changing of settings during operation.

- Improved parameter setting software makes it even easier to set all of the available parameters and determine and upload the proper coefficients for calculation.(optional)
- FAST measurement frequency allows the user to increase the number of readings per second from 10 to 50, allowing higher accuracy measurements of TIR and MAX/MIN.
- An analog bar provides easy to read values when scanning for Max, Min, and TIR Values.
- SPC data output.



543-342B

Stem dia. 3/8" #4-48 UNF Thread

Order No.	Resolution	Range	Accuracy	Measuring Force	List Price	Sale Price
543-342B	.00005"/.0001"/.0005"	.5"/12.7mm	±.00010"/0.003mm	1.5N or less	\$445.00	\$400.50
543-592B	0.001/0.01mm Selectable	1"/25.4mm	±.00010"/0.003mm	1.8N or less	\$596.00	\$536.40
543-597B		2"/50.8mm	±.00025"/0.006mm	2.3N or less	\$748.00	\$673.20



www.mitutoyo.com/idccal
VIDEO DEMO

ABSOLUTE Digimatic Indicator ID-F

With Back-lit LCD Screen

- With the ABSOLUTE Linear Encoder technology, once the measurement reference point has been preset it will not be lost when the power is turned on.
- GO/±NG judgment is performed by setting the upper and lower tolerances. If a judgment result is out of tolerance, the display backlighting changes from green to red, so tolerance judgment can be made at a glance.
- The maximum, minimum, or runout value can be displayed during measurement.
- An analog bar indicator has been integrated to handle upper/lower limit approaching and zero approaching. It enhances the ease of operation in the same manner as a dial indicator. The display range of the analog bar can be changed.
- With SPC data output.



Stem dia. 3/8" #4-48 UNF Thread

Order No.	Resolution	Range	Model	Accuracy	List Price	Sale Price
543-552A	.00005", .0001", .0005", .001"	1" / 25.4mm	ID-F125E	.00012"	\$667.00	\$600.30
543-558A	0.001mm, 0.01mm	2" / 50.8mm	ID-F150HE	.00012"	\$773.00	\$695.70

Digimatic Indicator ID-H

High Accuracy and High Functional Type

- This new-generation digital indicator offers the excellent accuracy and functionality expected from this class of indicator. Take advantage of its high accuracy backed up by 0.5µm / .00002" resolution, remote control functionality via a handheld controller (or an RS-232C interface) and easy runout measurements with the well-established analog bar display.
- The maximum, minimum, or runout value can be displayed during measurement.
- GO/±NG judgment is performed by setting the upper and lower tolerances. If a judgment result is out of tolerance, the display backlighting changes from green to red, so tolerance judgment can be made at a glance.
- With SPC data output and RS-232C input/output.



Stem dia. 3/8" #4-48 UNF Thread

Order No.	Resolution	Range	Model	Accuracy	List Price	Sale Price
543-562A	.00002", .00005", .0001", 0.0005mm,	1.2" / 30.4mm	ID-H530E	0.0015mm	\$883.00	\$794.70
543-564A	0.001mm	2.4" / 60.9mm	ID-H560E	0.0025mm	\$1,050.00	\$945.00



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