

**SAVE
10%**



DIGITAL INDICATOR PROMOTION

Effective July 16, 2018 through July 31, 2018

INDICATOR PROMOTION

Mitutoyo Quality



DIGITAL INDICATOR PROMOTION

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 feature allows for reading measurements directly, without fumbling for conversions.
- > Calculation-Type Digimatic Indicator features both a key lock and parameter lock.
- > Fast measurement frequency up to 50 per second.
- > An analog bar provides easy-to-read values when scanning for Max, Min and TIR Values.

- > 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) **21EZA313**



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www.mitutoyo.com/idccal
VIDEO DEMO



543-342B



ABSOLUTE[®]

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

Order No.	Resolution	Range	Accuracy	Measuring Force	List	Promo
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

SPC cable – 1m: 905338 2m: 905409



Installed on optional bore gage probe

Bore Gage ABSOLUTE Digimatic Indicator ID-C

- > Hold automatically picks up hole diameter after a sweep.
- > Bore Gage Digimatic Indicator features both a key lock and parameter lock.
- > Fast measurement frequency up to 50 per second.
- > An analog bar indicator is integrated to enhance the intuition in reading.
- > Up to three sets of master values and upper/lower tolerance values can be memorized.

- > Go/no-go judgment
- > Employing the ABSOLUTE linear encoder, the ID-C always displays the spindle Absolute Position from the origin at power-on.
- > 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) **21EZA313**

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543-312B



ABSOLUTE[®]

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

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

SPC cable – 1m: 905338 2m: 905409

Peak Hold ABSOLUTE Digimatic Indicator ID-C

With Max./Min. Value Holding Function

- > Peak Hold Digimatic Indicator features both a Key Lock and Parameter Lock.
- > An analog bar provides easy-to-read values when scanning for Max, Min and TIR Values.
- > Go/no-go judgment
- > The maximum, minimum or runout value can be displayed during measurement.

- > Fast measurement frequency up to 50 per second.
- > Employing the ABSOLUTE linear encoder, the Signal ID-C always displays the spindle Absolute Position from the origin at power-on.
- > 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) **21EZA313**

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543-302B



ABSOLUTE[®]

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

Order No.	Resolution	Range	Accuracy	Remarks	List	Promo
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

SPC cable – 1m: 905338 2m: 905409

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DIGITAL INDICATOR PROMOTION

Digimatic Indicator ID-H

Remote programming capable

- > This 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/no-go 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 RS-232C input/output

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

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

SPC cable – 1m: 936937 2m: 965014

21EZA099
Remote controller
(optional)



543-564A



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ABSOLUTE Digimatic Indicator ID-F

- > 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/no-go 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.



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

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

SPC cable – 1m: 936937 2m: 965014



543-552A



543-558A



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ABSOLUTE Digimatic Indicator ID-U

- > Slim digital indicator with low price.
- > Large LCD and simple key operation.
- > After the initial origin setting, the ID-U no longer needs absolute positioning over the entire battery life; the origin is remembered even after power-off.
- > Ideal for installation into measuring devices because of 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 overspeed errors.
- > Flat-back type has no option for backs.

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

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

SPC cable – 1m: 905338 2m: 905409



575-123



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DIGITAL INDICATOR PROMOTION

ABSOLUTE Digimatic Signal Indicators ID-C

- > The signal can be output to an external device such as a sequencer through the NPN open-collector. (remotely powered)
- > The go/no-go judgment result is also indicated by the green/red LED and the "<, O, >" signs on LCD.
- > ABSOLUTE linear encoder (unlimited response speed)
- > Max./min., TIR holding functions
- > IP54 protection level to resist dust and contaminants
- > The high-speed detector measures 100 times per second.
- > Analog Bar



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

Order No.	Resolution	Range	Accuracy	Measuring force	Remarks	List	Promo
543-352	.00005"/.0001/.0005"	.5" / 12.7mm	±.00010/0.003mm	2.5N or less	w/ lug back	\$567.00	\$510.30
543-352B	0.001/0.01mm	.5" / 12.7mm	±.00010/0.003mm	2.5N or less	w/ flat back	\$567.00	\$510.30

ABSOLUTE Digimatic Indicators ID-C

- > Absolute Encoder (unlimited response speed)
- > Preset, zero set, inch/mm, +/- direction and go/no-go functions.
- > Face rotates 330° for use at various angles.
- > Immune to overspeed error.
- > Average battery life 7,000 hours using SR-44 battery (938882).

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

Order No.	Range	Remarks	List	Promo
.0005"/0.01mm Resolution				
543-402	.500"/12.7mm	Lug Back	\$310.00	\$279.00
543-402B	.500"/12.7mm	Flat Back	\$310.00	\$279.00
543-476B	1"/25mm	Flat Back	\$454.00	\$408.60
543-496B	2"/50mm	Flat Back	\$597.00	\$537.30
.00005"/.0001"/.0005"/0.001mm/0.01mm selectable resolutions				
543-392	.500"/12.7mm	Lug Back	\$424.00	\$381.60
543-392B	.500"/12.7mm	Flat Back	\$424.00	\$381.60
543-472B	1"/25mm	Flat Back	\$568.00	\$511.20
543-492B	2"/50mm	Flat Back	\$713.00	\$641.70

SPC cable – 1m: 905338 2m: 905409



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Now with multiplier function $f(x)=Ax$
(other models available with $Ax+B+Cx-1$ function)

ABSOLUTE Digimatic Indicators ID-S

- > ABSOLUTE linear encoder (unlimited response speed)
- > Dust/Water protection level: IP42 (IP53: 543-794B, 543-795B, 543-796B)

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

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

SPC cable – 1m: 905338 2m: 905409



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