

Digimatic Indicators

SERIES 543 – ABSOLUTE Digimatic Multi-Function Indicator ID-F

- GO/±NG judgement function: If a judgement result shows an out of tolerance condition, the display backlighting changes from green to red.
- An analogue bar indicator has been integrated to make upper/lower limit and turnover point reading more comfortable.

Green indication for GO judgement



Red indication for ±NG judgement



- With the ABSOLUTE Linear Encoder technology, once the measurement reference point has been set it will not be lost when the power is turned off. Also, reliability has been increased due to the elimination of over-speed errors.
- Easy-to-read large back-lit LCD readout with a character height of 8.5 mm.
- External power supply type: battery change is not necessary. Power is supplied via the AC adapter supplied as a standard accessory.
- The resolution can be switched between 0.001/0.01 mm (or .001"/.0005"/.0001"/.0005").
- Equipped with a data output port that enables incorporation into measurement networking and statistical process control systems.

ABSOLUTE

IP30

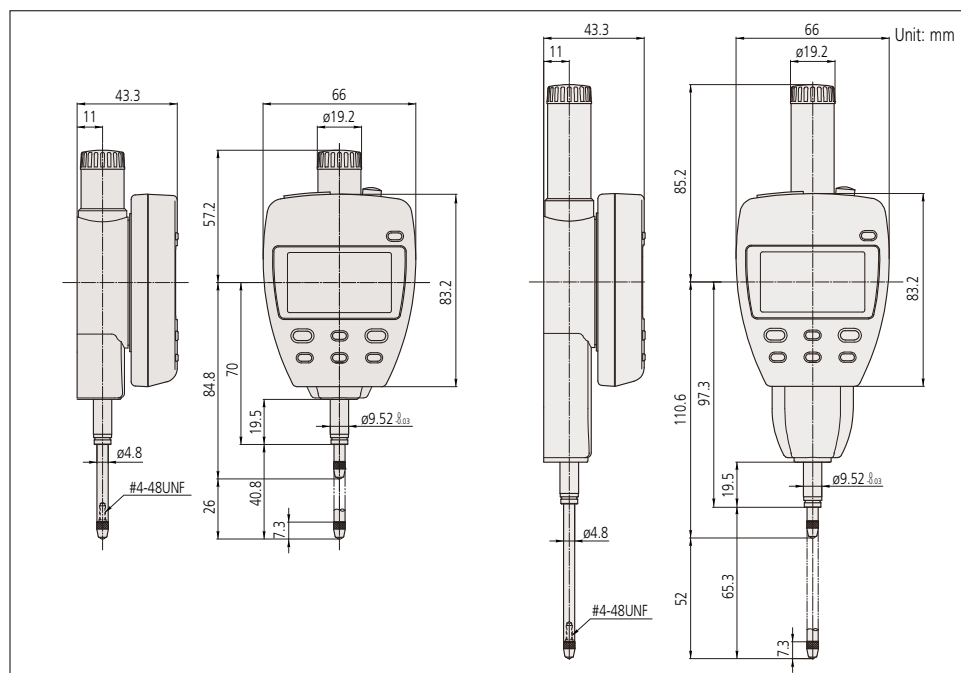


SPECIFICATIONS

Inch/Metric					
Code No.	Range	Resolution	Accuracy*	Measuring force	Price
543-552E	1" / 25 mm	.00002", .00005", .0001", .0005"	.00012" / 0.003 mm	1.8N or less	£421.00
543-554E	2" / 50 mm	.001" / 0.001 mm, 0.01 mm	.00024" / 0.006 mm	2.3N or less	£447.00

* Quantizing error of ±1 count is excluded.

DIMENSIONS



Technical Data

Display:	Back-lit LCD, 8.5 mm character height
Scale type:	ABSOLUTE electrostatic linear encoder
Max. response speed:	Unlimited
Stem dia:	3/8"
Standard contact point:	21BZB005
Power supply:	9V DC (via AC adapter)
Lifting lever:	137693

Functions

Preset, Zero set, GO/±NG judgement, Max/Min value hold, Runout measurement, Resolution switching, Counting direction switching, Power ON/OFF, Data output, inch/mm reading

Alarm: Counting value composition error, Overflow error, Tolerance limit setting error

Optional Accessories

936937:	SPC data cable (1 m)
	£32.90
965014:	SPC data cable (2 m)
	£39.10
02AZD790D:	SPC data cable for U-WAVE-T (160 mm)
	£52.20
02AZE140D:	SPC data cable for U-WAVE-T and footswitch (160/500 mm)
	£107.00
540774:	Plunger lifting cable (stroke: 25.4 mm)
	£20.50
21EZA197:	Lifting knob for 25 mm/1" model
	£39.50
21EZA200:	Lifting knob for 50 mm/2" model
	£38.00
101306:	Centre-lug back
	£2.80
02ACA571:	Auxiliary plunger spring for 25 mm/1" model
	£5.10
02ACA773:	Auxiliary plunger spring for 50 mm/2" model
	£5.40

Contact points for Mitutoyo's dial indicators (refer to pages F-37 to F-40 for details)

Interchangeable backs (refer to page F-41 for details)

Measuring stands (refer to pages F-70 to F-73 for details)

Application

Difference/Runout measurement

Example: Indicator travel from points A to D

Difference (or Total Runout) is displayed as A. Dimensions B (maximum value) and C (minimum value) can be recalled from memory with a simple key sequence.

