

IDF Digimatic Indicators SERIES 543

FEATURES

- Remote control from up to 20 feet away (order **543-005**).
- AC Powered for bright LED readout.
- Miniature Linear Encoder (non-contact type for long life).
- Preset capability.
- Performs TIR & MID-TIR (mean).
- Direction changeover switch.
- Zero-Set from gage or remote.
- Remote can command up to 16 separate IDF Indicators.
- SPC output for data recording & analysis by any of the Mitutoyo Data Processors.
- Maximum response speed: 31.5"/s.

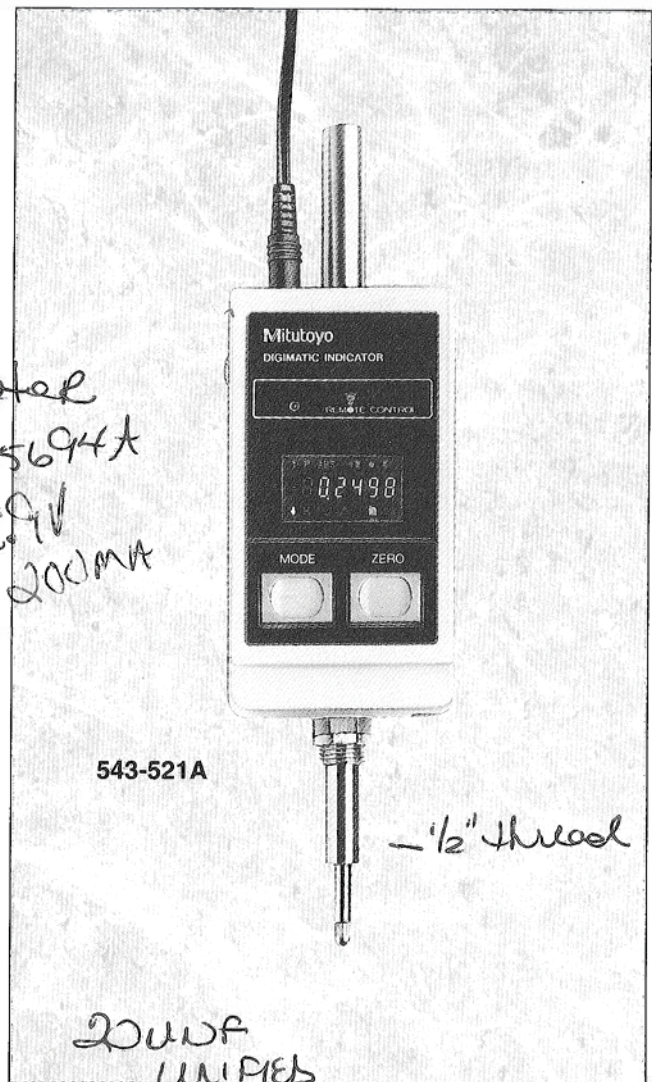
REMOTE CONTROL, LED READOUT INDICATOR

Mitutoyo's new IDF Digimatic Indicators offer the ultra convenience of infrared remote control from distances up to 20 feet away. The IDF displays its readings on a bright LED readout and performs numerous special functions including Preset, Zero, TIR (Total Indicating Runout) and Mean. Upper & lower control limits can also be set for GO/NO-GO inspection.

The remote control is powered by two AA batteries and allows simultaneous or individual control of up to 16 separate IDF indicators.



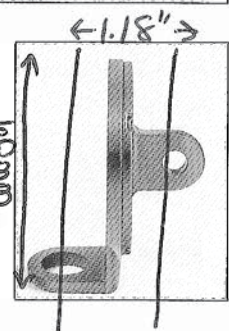
543-005
Optional remote control commands up to 16 gages from 20 feet away



543-521A

905664

Optional lug on center attachment for back mounting fixtures.



IDF Digimatic Indicators Inch/Metric

Order No.	Measuring Range	LED Resolution	Accuracy	Measuring Force	Remarks
543-521A	0-.5"/0-12.7mm	.0001"/0.001mm	.0001"	1.28N	Response speed: 31.5"/s
543-541A	0-.5"/0-12.7mm	.001"/0.01mm	.0002"	1.28N	Contact point: .118" (DIA.) steel ball (No. 900032)
543-523A	0-1.18"/0-30mm	.0001"/0.001mm	.0001"	1.47N	Data output: Digimatic output
543-543A	0-1.18"/0-30mm	.001"/0.01mm	.00035"	1.47N	Stem Diameter: .375"
543-525A	0-2.0"/0-50.4mm	.0001"/0.001mm	.00015"	1.77N	Quantizing Error: ± 1 count
543-545A	0-2.0"/0-50.4mm	.001"/0.01mm	.0004"	1.77N	Standard Accessory

For SPC output order Connecting Cable **936937** (1m) or **965014** (2m)

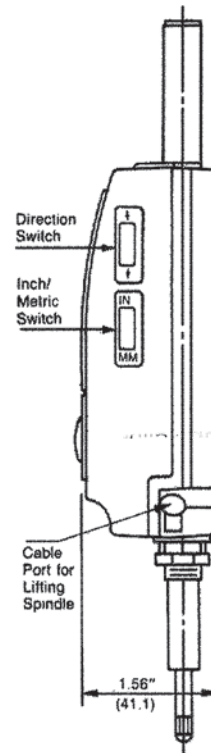
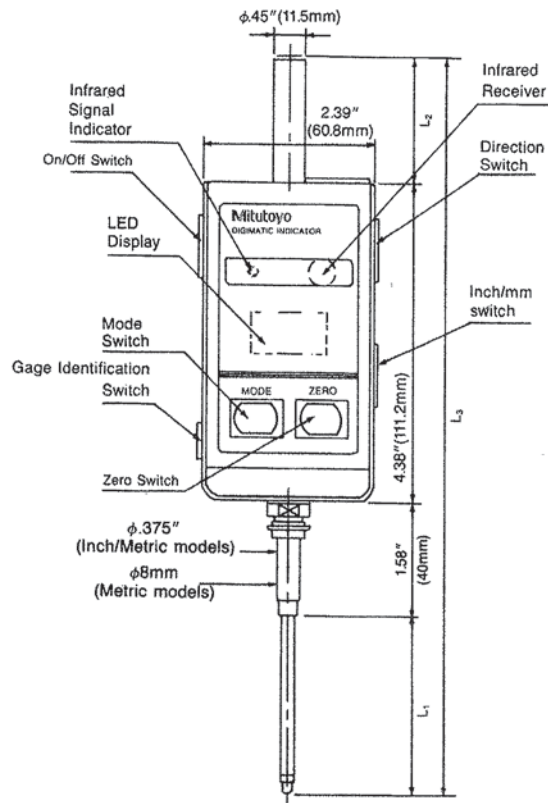
SPECIFICATIONS IDF Digimatic Indicators

Metric

Order No.	Measuring Range	LED Resolution	Measuring Accuracy	Force	Remarks
543-511A	0-12.0mm	0.001mm	0.002mm	1.28N	Response speed: 800mm/s
543-531A	0-12.0mm	0.01mm	0.005mm	1.28N	Contact point: 2.5mm carbide ball (No. 901312)
543-513A	0-30.0mm	0.001mm	0.002mm	1.47N	Data output: Digimatic output
543-533A	0-30.0mm	0.01mm	0.008mm	1.47N	Stem Diameter: 8.0mm
543-515A	0-50.0mm	0.001mm	0.003mm	1.77N	Quantizing Error: ± 1 count
543-535A	0-50.0mm	0.01mm	0.01mm	1.77N	Standard Accessory * AC Adapter (No. 526688A)

For SPC output order Connecting cable 936937 (1m) or 965014 (2m).

DIMENSIONS	L1	L2	L3
5"	.83"	1.61"	8.4"
1.2"	1.73"	2.40"	10.1"
2"	2.52"	3.19"	11.7"



Note: All models are supplied as flat black.
For lug-on-center order optional attachment 905664.