

The origin of Mitutoyo's trustworthy brand of small tool instruments

- Effective for measuring workpiece features where access is difficult.

- Measuring faces: Carbide
- Equipped with Ratchet Stop for constant measuring force.



Metric			
Order No.	Range	Resolution	Accuracy*
Digimatic (LCD)			
343-250-30	0 - 25mm	0.001mm	±5µm
343-251-30	25 - 50mm		±6µm
343-252-30	50 - 75mm		±7µm
343-253-30	75 - 100mm		±8µm

* Excluding quantizing error

Inch/Metric			
Order No.	Range	Resolution	Accuracy*
Digimatic (LCD)			
343-350-30	0 - 1"	.00005" / 0.001mm	±.00025"
343-351-30	1" - 2"		±.0003"
343-352-30	2" - 3"		±.00035"
343-353-30	3" - 4"		±.0004"

* Excluding quantizing error

Metric			
Order No.	Range	Graduation	Accuracy
Analog			
143-101	0 - 25mm	0.01mm	±5µm
143-102	25 - 50mm		±6µm
143-103	50 - 75mm		±7µm
143-104	75 - 100mm		±8µm
143-105	100 - 125mm		±9µm
143-106	125 - 150mm		±10µm
143-107	150 - 175mm		
143-108	175 - 200mm		
143-109	200 - 225mm		±11µm
143-110	225 - 250mm		
143-111	250 - 275mm		
143-112	275 - 300mm		±12µm

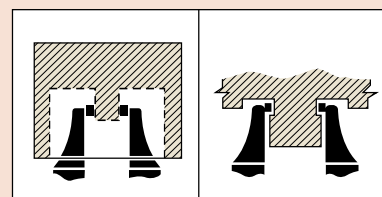
Inch	Order No.	Range	Graduation	Accuracy
Analog	143-121	0 - 1"		±.00025"
	143-122	1" - 2"	.001"	±.0003"
	143-123	2" - 3"		±.00035"



Measuring range up to 100mm Unit: mm

Range	L	a	b	C
Digimatic (LCD)				
0 - 25mm	0	16	11.1	32.9
25 - 50mm	25			
50 - 75mm	50			
75 - 100mm	75			
Analogue				
0 - 25mm	0	20.3	11.1	28.6
25 - 50mm	25			
50 - 75mm	50			
75 - 100mm	75			
100 - 125mm	100			
125 - 150mm	125			
150 - 175mm	150			
175 - 200mm	175			
200 - 225mm	200	16.3	15	32.5
225 - 250mm	225			
250 - 275mm	250			
275 - 300mm	275			

Flatness: 0.3µm/0.00012"
Parallelism: (3+R/75)µm, R = max. range (mm)
[.00012"+.00004(R/3)]" R = max. range (inch)
fraction rounded down



SR44 (1 pc), **938882**, for initial operational checks (standard accessory)
 Battery life: Approx. 2.4 years under normal use (for series 343)
 Length standard: Electromagnetic rotary sensor (for series 343)
 Standard accessories: Reference bar, 1 pc
 (except for measuring range 0-25mm (0-1") models)
 Spanner (301336), 1 pc

Connecting cables
1m: **05CZA662**
2m: **05CZA663**
USB Input Tool Direct
USB-ITN-B (2m): 06ADV380B
Connecting cables for **U-WAVE-T**
02AZD790B 160mm
For foot switch: **02AZE140B**
For more details, see page 2.

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