

Micrometer

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

Caliper Type Micrometers SERIES 343, 143

MeasurLink ENABLED

Data Management Software by Mitutoyo

- Effective for measuring workpiece features where access is difficult.
- Measuring faces: Carbide.
- Equipped with Ratchet Stop for constant measuring force.



SPECIFICATIONS

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

* Excluding quantizing error of ±1 count

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

Inch/Metric			
Order No.	Range	Resolution	Accuracy*
Digimatic (LCD)			
343-350-30	0 - 1 in	0.00005 in/ 0.001 mm	±0.00025 in
343-351-30	1 - 2 in		±0.0003 in
343-352-30	2 - 3 in		±0.00035 in
343-353-30	3 - 4 in		±0.0004 in

* Excluding quantizing error of ±1 count

Inch			
Order No.	Range	Graduation	Accuracy
Analog			
143-121	0 - 1 in	0.001 in	±0.00025 in
143-122	1 - 2 in		±0.0003 in
143-123	2 - 3 in		±0.00035 in

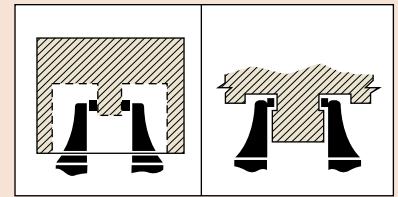
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Products equipped with the measurement data output function can be connected to the measurement data network system MeasurLink (refer to page A-5 for details).

Technical Data

Flatness: 0.3 μm/0.000012 in
 Parallelism: (3+R/75) μm, R = max. range (mm)
 [0.00012 in+0.00004(R/3)] in R = max. range (inch)
 fraction rounded down



Battery for Series 343

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 0-25 mm (0-1 in) models)

Spanner (301336), 1 pc

Optional Accessories for Series 343

Connecting cables

1 m: 05CZA662

2 m: 05CZA663

USB Input Tool Direct

USB-ITN-B (2 m): 06AFM380B

Wireless data output **U-WAVE** fir

U-WAVE-TM 264-622 (IP67 type)

264-623 (Buzzer type)

Connecting unit for U-WAVE-TM

02AZF310 (IP67 type)

Refer to page A-15 for details

DIMENSIONS

