

Outside Micrometers

SERIES 340, 104 — with Interchangeable Anvils, Inch model

FEATURES

- IP65 water/dust protection (Series 340*).
*Models with a range up to 300mm.
- Wide measuring range with interchangeable anvils.
- With a Ratchet Stop for constant force.
- Supplied with zero-setting standards bar for each range.
- With SPC output (Series 340).
- Supplied in fitted wooden case.



SPECIFICATIONS

Inch/Metric Digital model

Range	Resolution	Order No.	Mass (kg)	Remarks
0-6" / 0-152.4mm	.00005" / 0.001mm	340-351-10	0.96	with 6 anvils & 5 standards
6-12" / 152.4 - 304.8mm	.0001" / 0.001mm	340-352-10	1.88	with 6 anvils & 6 standards
12-18" / 304.8 - 457.2mm	.0001" / 0.001mm	340-713	4.75	with 6 anvils & 6 standards
18-24" / 457.2 - 609.6mm	.0001" / 0.001mm	340-714	6.62	with 6 anvils & 6 standards
24-30" / 609.6 - 762.0mm	.0001" / 0.001mm	340-715	10.06	with 6 anvils & 6 standards
30-36" / 762.0 - 914.4mm	.0001" / 0.001mm	340-716	11.98	with 6 anvils & 6 standards

Inch

Range	Graduation	Order No.	Mass(kg)	Remarks
0-2"	.0001"	104-165*	0.32	with 1" anvil & 1 standard
0-6"	.001"	104-137	1.35	with 6 anvils & 5 standards
6-12"	.001"	104-138	2.65	with 6 anvils & 6 standards
12-16"	.001"	104-152	3.31	with 4 anvils & 4 standards
12-18"	.001"	104-201	4.69	with 6 anvils & 6 standards
16-20"	.001"	104-153	4.81	with 4 anvils & 4 standards
18-24"	.001"	104-202	6.51	with 6 anvils & 6 standards
20-24"	.001"	104-154	6.35	with 4 anvils & 4 standards
24-28"	.001"	104-155	7.72	with 4 anvils & 4 standards
24-30"	.001"	104-203	9.95	with 6 anvils & 6 standards
28-32"	.001"	104-156	9.08	with 4 anvils & 4 standards
30-36"	.001"	104-204	11.87	with 6 anvils & 6 standards
32-36"	.001"	104-157	10.41	with 4 anvils & 4 standards
36-40"	.001"	104-158	11.78	with 4 anvils & 4 standards
36-42"	.001"	104-205	13.68	with 6 anvils & 6 standards

*.0001" reading is obtained with vernier.



Technical Data

Accuracy: $\pm[.00016" + .00004 (L/3)"]$ L = Max Range (Inch) (excluding quantizing error for digital models)
 Resolution*: .0001"/0.001mm
(340-351-10): .00005"/0.001mm)
 Graduation*: .001" (**104-165**: is .0001")
 Flatness: .000024" for models up to 12"
 .00004" for models over 12"
 Parallelism: .00008" for models up to 3"
 .00012" for models up to 6"
 $\pm[.00008" + .00004 (L/4)"]$ L = Max range (inch)
 Measuring faces: Carbide tipped (spindle only)
 Display*: LCD
 Battery*: SR44 (1 pc.), **938882**
 Battery life*: Approx. 1.2 years under normal use
 Dust/Water protection level*: IP65
 *Digital models **Analog models

Function of Digital Model

Zero / ABS, Data hold, Preset, Data output, inch/mm conversion (on inch/metric models only)
 Alarm: Low voltage, Counting value composition error
 Function Lock***
 2 Presets***
 ***100 - 300mm / 4 - 12" Models

Optional Accessories for Digital Model

05CZA662: SPC cable with data switch (1m / 40")
05CZA663: SPC cable with data switch (2m / 80")



Outside Micrometers

SERIES 340, 104 — with Interchangeable Anvils, Metric Model

Technical Data

Accuracy: $\pm(4+R/75)\mu\text{m}$, R=max. range (mm)
 (excluding quantizing error for digital models)

Resolution*: 0.001mm

Graduation**: 0.01mm

Flatness: 0.6 μm for models up to 300mm

1 μm for models over 300mm

Parallelism: 2 μm for models up to 75mm

3 μm for models up to 150mm

(2+R/100) μm for models over 150mm, R=max. range (mm)

Measuring faces: Carbide tipped (spindle only)

Display*: LCD

Battery*: SR44 (1 pc.), **938882**

Battery life*: Approx. 1.2 years under normal use

Dust/Water protection level*: IP65

*Digital models **Analog models

Function of Digital Model

Zero / ABS, Data hold, Preset, Data output,
 inch/mm conversion (on inch/metric models only)

Alarm: Low voltage, Counting value composition error

Function Lock***

2 Presets***

***100 - 300mm / 4 - 12" Models

Optional Accessories for Digital Model

05CZA662: SPC cable with data switch (1m / 40")

05CZA663: SPC cable with data switch (2m / 80")

FEATURES

- IP65 water/dust protection (Series 340*).

*Models with a range up to 300mm.

- Wide measuring range with interchangeable anvils.

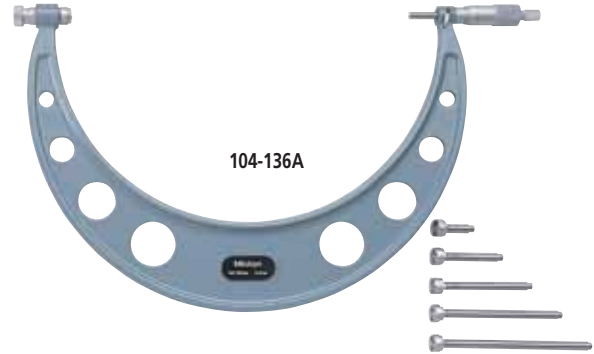
- With a Ratchet Stop for constant force.

- Supplied with zero-setting standards bar for each range.

- With SPC output (Series 340).

- Supplied in fitted wooden case.

Digital model



SPECIFICATIONS

Metric Digital model

Range	Resolution	Order No.	Mass (kg)	Remarks
0 - 150mm	0.001mm	340-251-10	0.96	with 6 anvils & 5 standards
150 - 300mm	0.001mm	340-252-10	1.88	with 6 anvils & 6 standards
300 - 400mm	0.001mm	340-513	3.31	with 4 anvils & 4 standards
400 - 500mm	0.001mm	340-514	4.81	with 4 anvils & 4 standards
500 - 600mm	0.001mm	340-515	6.35	with 4 anvils & 4 standards
600 - 700mm	0.001mm	340-516	7.72	with 4 anvils & 4 standards
700 - 800mm	0.001mm	340-517	9.08	with 4 anvils & 4 standards
800 - 900mm	0.001mm	340-518	10.41	with 4 anvils & 4 standards
900 - 1000mm	0.001mm	340-519	11.78	with 4 anvils & 4 standards

Metric

Range	Graduation	Order No.	Mass (kg)	Remarks
0 - 50mm	0.01mm	104-171*	0.32	with 2 anvils & 1 standards
0 - 100mm	0.01mm	104-139A	0.79	with 4 anvils & 3 standards
0 - 150mm	0.01mm	104-135A	1.35	with 6 anvils & 5 standards
50 - 150mm	0.01mm	104-161A	1.35	with 4 anvils & 4 standards
100 - 200mm	0.01mm	104-140A	1.38	with 4 anvils & 4 standards
150 - 300mm	0.01mm	104-136A	2.65	with 6 anvils & 6 standards
200 - 300mm	0.01mm	104-141A	2.22	with 4 anvils & 4 standards
300 - 400mm	0.01mm	104-142A	3.31	with 4 anvils & 4 standards
400 - 500mm	0.01mm	104-143A	4.81	with 4 anvils & 4 standards
500 - 600mm	0.01mm	104-144A	6.35	with 4 anvils & 4 standards
600 - 700mm	0.01mm	104-145A	7.72	with 4 anvils & 4 standards
700 - 800mm	0.01mm	104-146A	9.08	with 4 anvils & 4 standards
800 - 900mm	0.01mm	104-147A	10.41	with 4 anvils & 4 standards
900 - 1000mm	0.01mm	104-148A	11.78	with 4 anvils & 4 standards

*The frame is in a heat insulated cover

DIMENSIONS

