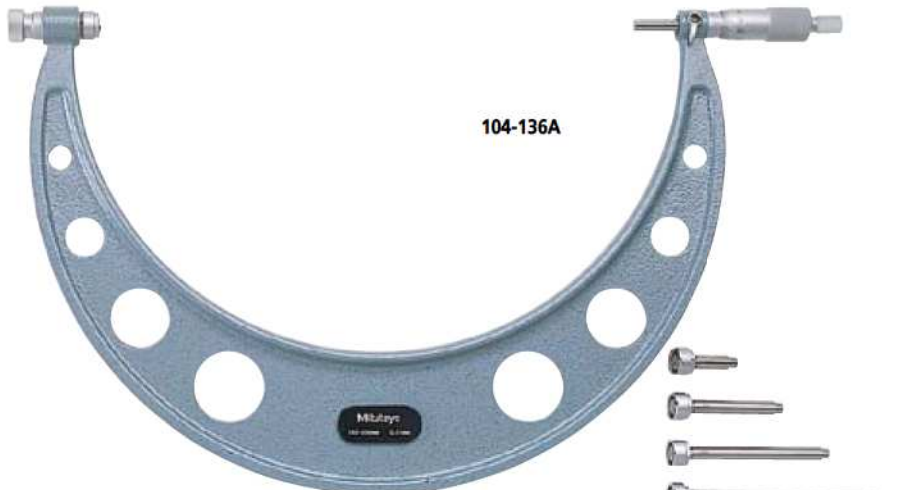


# Outside Micrometers

**SERIES 340, 104 — with Interchangeable Anvils**

## FEATURES

- IP65 water/dust protection (340 series\*).  
\*Models with a range up to 300mm.
- Wide measuring range with interchangeable anvils.
- With Ratchet Stop for constant force.
- Supplied with setting standards for each range.
- With SPC output (series 340).



## Digital model



## SPECIFICATIONS

Metric	Digital model	Interchangeable anvils
Range	Order No.	
0 - 150mm	<b>340-251-10</b>	6pcs.
150 - 300mm	<b>340-252-10</b>	6pcs.
300 - 400mm	<b>340-520</b>	4pcs.
400 - 500mm	<b>340-521</b>	4pcs.
500 - 600mm	<b>340-522</b>	4pcs.
600 - 700mm	<b>340-523</b>	4pcs.
700 - 800mm	<b>340-524</b>	4pcs.
800 - 900mm	<b>340-525</b>	4pcs.
900 - 1000mm	<b>340-526</b>	4pcs.

Metric	Digital model	Interchangeable anvils
Range	Order No.	
0 - 50mm	<b>104-171*</b>	1pcs.
0 - 100mm	<b>104-139A</b>	4pcs.
0 - 150mm	<b>104-135A</b>	6pcs.
50 - 150mm	<b>104-161A</b>	4pcs.
100 - 200mm	<b>104-140A</b>	4pcs.
150 - 300mm	<b>104-136A</b>	6pcs.
200 - 300mm	<b>104-141A</b>	4pcs.
300 - 400mm	<b>104-142A</b>	4pcs.
400 - 500mm	<b>104-143A</b>	4pcs.
500 - 600mm	<b>104-144A</b>	4pcs.
600 - 700mm	<b>104-145A</b>	4pcs.
700 - 800mm	<b>104-146A</b>	4pcs.
800 - 900mm	<b>104-147A</b>	4pcs.
900 - 1000mm	<b>104-148A</b>	4pcs.

\*The frame is fitted with a heat shield.

Inch/Metric	Digital model	Interchangeable anvils
Range	Order No.	
0 - 6"	<b>340-351-10</b>	6pcs.
6" - 12"	<b>340-352-10</b>	6pcs.
12" - 18"	<b>340-720</b>	6pcs.
18" - 24"	<b>340-721</b>	6pcs.
24" - 30"	<b>340-722</b>	6pcs.
30" - 36"	<b>340-723</b>	6pcs.

Inch	Digital model	Interchangeable anvils
Range	Order No.	
0 - 2"	<b>104-165*</b>	1pcs.
0 - 4"	<b>104-149</b>	4pcs.
0 - 6"	<b>104-137</b>	6pcs.
2" - 6"	<b>104-162</b>	4pcs.
4" - 8"	<b>104-150</b>	4pcs.
6" - 12"	<b>104-138</b>	6pcs.
8" - 12"	<b>104-151</b>	4pcs.
12" - 16"	<b>104-152</b>	4pcs.
12" - 18"	<b>104-201</b>	6pcs.
16" - 20"	<b>104-153</b>	4pcs.
18" - 24"	<b>104-202</b>	6pcs.
20" - 24"	<b>104-154</b>	4pcs.
24" - 28"	<b>104-155</b>	4pcs.
24" - 30"	<b>104-203</b>	6pcs.
28" - 32"	<b>104-156</b>	4pcs.
30" - 36"	<b>104-204</b>	6pcs.
32" - 36"	<b>104-157</b>	4pcs.
36" - 40"	<b>104-158</b>	4pcs.
36" - 42"	<b>104-205</b>	6pcs.

\*.0001" reading is obtained with vernier.



(Refer to page VIII for details.)

## Technical Data

Accuracy:  $\pm(4+R/75)\mu\text{m}$ , R = max. range (mm)  
 $\pm[.00016"+.00004(R/3)]"$  R = max. range (inch)  
 (excluding quantizing error for digital models)

Resolution\*: 0.001mm or .0001"/0.001mm  
 (.00005"/0.001mm: **340-351-10**)

Graduation\*\*: 0.01mm/.001"

Flatness: 0.6 $\mu\text{m}$ /.000024" for models up to 300mm/12"  
 1 $\mu\text{m}$ /.00004" for models over 300mm/12"

Parallelism: 2 $\mu\text{m}$ /.00008" for models up to 75mm/3"  
 3 $\mu\text{m}$ /.00012" for models up to 150mm/6"  
 (2+R/100) $\mu\text{m}$  for models over 150mm,  
 R = max. range (mm)  
 fraction rounded up  
 $\pm[.00008"+.00004(R/4)]"$  For models over 6"  
 R = max. range (inch)  
 fraction rounded up

Measuring faces: Carbide  
 Display\*: LCD  
 Battery\*: SR44 (2 pc.), **938882**  
 (1 pc.: **340-251-10, 252-10, 351-10, 352-10**)

Battery life\*: Approx. 1.8 years under normal use  
 (1.2 years for **340-251-10, 252-10, 351-10, 352-10**)

Dust/Water protection level\*: IP65 (**340-251-10, 252-10, 351-10, 352-10**)

\*Digital models \*\*Analog models

## Functions of Digital Model

Zero-setting, Data hold, 2-point preset\*, Function lock\*, Power ON/OFF\*\*, Data output, inch/mm conversion (inch/mm models)  
 \*Only for **340-251-10, 252-10, 351-10, 352-10**  
 \*\*Not available for **340-251-10, 252-10, 351-10, 352-10**  
 Alarm: Low voltage, Counting value composition error

## Optional Accessories for Digital Model

**05CZA662**: SPC cable with data switch (1m)\*  
**05CZA663**: SPC cable with data switch (2m)\*  
**06ADV380B**: USB Input Tool Direct with data switch (2m)  
**02AZD790B**: SPC cable for U-WAVE w/ data switch (160mm)\*  
**04AZB512**: SPC cable (1m)\*\*  
**04AZB513**: SPC cable (2m)\*\*  
**02AZD790B**: SPC cable for U-WAVE (160mm)\*\*  
 \*Up to 300mm models \*\*Over 300mm models