

"DIGIMATIC" Micrometer

- Digital standard external screw type micrometer with IP-65 protection.

Series 293 with data output



293-230
with ratchet (standard version)



293-238
with friction thimble

Measuring range mm	No.	Error limit* μm	L mm	a mm	b mm	c mm	Mass g
With ratchet (standard version)							
0- 25	293-230	2	—	2,8	9,0	25,0	270
25- 50	293-231	2	25,0	2,8	9,8	32,0	330
50- 75	293-232	2	50,0	2,8	12,6	47,0	470
75-100	293-233	3	75,0	2,8	14,0	60,0	625
100-125	293-250	3	132,8	5,3	16,7	76,5	600
125-150	293-251	3	158,2	5,7	18,8	91,0	740
150-175	293-252	4	183,6	6,1	19,1	103,1	800
175-200	293-253	4	208,8	6,3	18,2	115,3	970
200-225	293-254	4	234,2	6,7	16,8	126,8	1100
225-250	293-255	5	258,0	5,5	18,0	139,8	1270
250-275	293-256	5	284,0	6,5	18,0	152,3	1340
275-300	293-257	5	309,0	6,5	18,0	166,0	1540
With ratchet thimble							
0- 25	293-234	2	—	2,8	9,0	25,0	270
25- 50	293-235	2	25,0	2,8	9,8	32,0	330
50- 75	293-236	2	50,0	2,8	12,6	47,0	470
75-100	293-237	3	75,0	2,8	14,0	60,0	625
With friction thimble							
0- 25	293-238	2	—	2,8	9,0	25,0	270

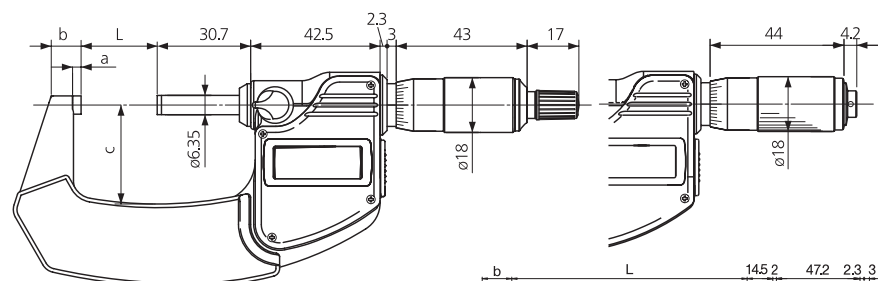
With ratchet thimble

0- 25	293-234	2	—	2,8	9,0	25,0	270
25- 50	293-235	2	25,0	2,8	9,8	32,0	330
50- 75	293-236	2	50,0	2,8	12,6	47,0	470
75-100	293-237	3	75,0	2,8	14,0	60,0	625

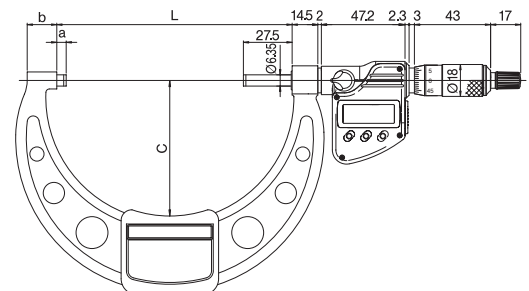
With friction thimble

0- 25	293-238	2	—	2,8	9,0	25,0	270
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* Accuracy exceeding the requirements of DIN 863



Measuring range up to 0-100 mm



Measuring range up to 100-300 mm

Functions	Series 293
ORIGIN up to 100 mm	●
ZERO/ABS	●
Auto power-off (after 20 min. idle time)	●
PRESET from 100 mm upwards (replacing ORIGIN function)	●
HOLD	●
Data output	●

Specifications

Accuracy:	Factory specification
Protection:	IP-65
Resolution:	0,001 mm
Scales:	thimble and sleeve satin chrome finish
Measuring surfaces:	carbide-tipped, precision ground, micro-lap finish
Frame:	enamelled
Measuring force:	5-10 N
Battery life:	1,2 years (up to 100 mm) 8 months (> 100 mm)

Including box, key, 1 battery, gauge block
(from 25 mm upwards), up to 50 mm
measuring range with factory certificate

Optional accessories

No.	Designation
05CZA662	Signal cable with data key (1 m)
05CZA663	Signal cable with data key (2 m)

Consumable Spares

No.	Designation
938882	Battery SR-44



With ratchet (standard version)



Ratchet thimble
(with ratchet function in the thimble)



Friction thimble (with smooth rotation
of the thimble)



The use of top quality materials provides
outstanding resistance to oils and chemicals

"DIGIMATIC" Micrometer in sets

- Digital standard Micrometer with IP-65 protection.

Series 293 with data output



Measuring range
up to 50 mm



293-966



293-962

Measuring range mm	No.	Set combination
0– 50	293-966	293-230, 293-231 + gauge block 25 mm made of ceramics
0– 75	293-962	293-230, 293-231, 293-232 + gauge block 25 mm and 50 mm
0–100	293-963	293-230, 293-231, 293-232, 293-233 + gauge block 25 mm, 50 mm and 75 mm

Functions	Series 293
ORIGIN up to 100 mm	●
ZERO / ABS	●
Auto power-off (after 20 min. idle time)	●
Preset from 100 mm upward (replacing ORIGIN function)	●
HOLD	●
Data output	●

Specifications

Accuracy: Factory specification
Resolution: 0,001 mm
Scales: thimble and sleeve
satin chrome finish

Measuring surfaces: carbide-tipped,
precision ground,
micro-lap finish
enamelled

Frame: enamelled
Measuring force: 5–10 N
Battery life: 1,2 years

Including box, key, 1 battery,
gauge block (from 25 mm upward)
made of ceramic only 293-966,
measuring range
up to 50 mm
with factory certificate



Optional accessories

No.	Designation
05CZA662	Signal cable with data key (1 m)
05CZA663	Signal cable with data key (2 m)

Consumable Spares

No.	Designation
938882	Battery SR-44



The use of top quality materials provides
outstanding resistance to oils and chemicals

Functions	Series 293	
	293-571 up to 293-578	293-240 up to 293-243
On / Off	●	
ORIGIN		●
ZERO / ABS	●	●
Auto power-off (after 20 min. idle time)		●
Preset	●	
HOLD	●	●
Data output	●	

Specifications

Accuracy:	according to DIN 863-1
Resolution:	0,001 mm
Scales:	thimble and sleeve satin chrome finish
Measuring spindle:	with spindle lock
Measuring surfaces:	carbide-tipped, precision ground, micro-lap finish
Frame:	enamelled
Measuring force:	10–14 N
Battery life:	1,8 years
Including box, gauge block, key, 2 batteries	

Optional accessories

No.	Designation
937387	Signal cable (1 m)
965013	Signal cable (2 m)

Consumable Spares

No.	Designation
938882	Battery SR-44

Specifications

Accuracy:	Factory specification
Resolution:	0,001 mm
Scales:	thimble and sleeve satin chrome finish
Measuring surfaces:	carbide-tipped, precision ground, micro-lap finish
Frame:	enamelled
Measuring force:	5–10 N
Battery life:	1,2 years
Including box, key, 1 battery, gauge block (from 25 mm upward), measuring range up to 50 mm with factory certificate	

Consumable Spares

No.	Designation
938882	Battery SR-44

"DIGIMATIC" Micrometer

- Digital standard micrometer, measuring range 300–500 mm.

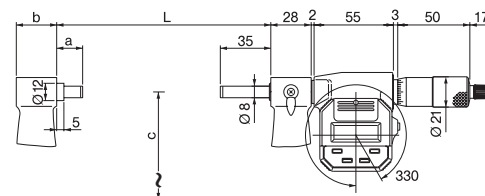
Series 293

DIN 863-1 with data output



293-572

Measuring range mm	No.	L mm	a mm	b mm	c mm	Mass g
300–325	293-571	353	18	28	187	2085
325–350	293-572	378	18	28	199	2255
350–375	293-573	403	18	28	212	2405
375–400	293-574	428	18	28	224	2555
400–425	293-575	453	18	28	236	2815
425–450	293-576	478	18	28	248	3065
450–475	293-577	503	18	28	261	3315
475–500	293-578	528	18	28	273	3550



"DIGIMATIC" Micrometer

- Digital standard micrometer with IP-65 protection, large digits and 1 µm resolution.

Series 293

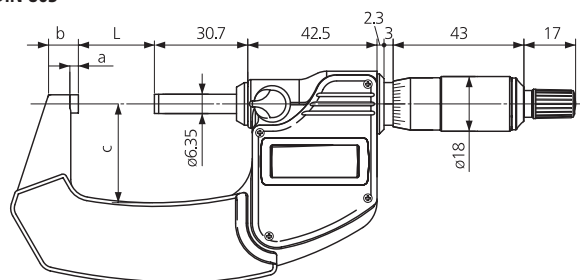
without data output



293-240

Measuring range mm	No.	Error limit* µm	L mm	a mm	b mm	c mm	Mass g
With ratchet (standard version)							
0– 25	293-240	2	–	2,8	9,0	25	270
25– 50	293-241	2	25	2,8	9,8	32	330
50– 75	293-242	2	50	2,8	12,6	47	470
75–100	293-243	3	75	2,8	14,0	60	625

* Accuracy exceeding the requirements of DIN 863



Factory test
certifikate
Measuring range
up to 50 mm

"DIGIMATIC" Micrometer

- Praxis-oriented base model
- Ergonomic and simple design.
- Carbide tipped, ultra fine finish lapped measuring faces.
- Digit height 7,5 mm.
- Auto power-off after 20 min. idle time.

Series 293

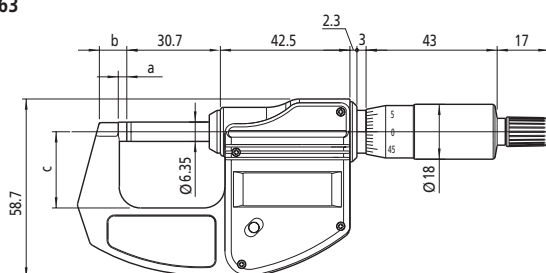
without data output



293-821

Measuring range mm	No.	Resolution mm	Error limit* μm	Measuring force N	a mm	b mm	c mm	Mass g
0-25	293-821	0,001	3	5-10	2,8	9	25	275

* Accuracy exceeding the requirements of DIN 863



"DIGIMATIC" Micrometer

- External screw type micrometer with 1 mm pitch to avoid reading errors.
- With large measuring surfaces, Ø 8 mm.

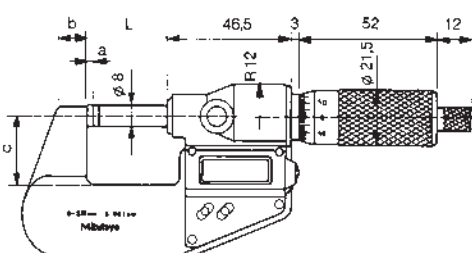
Series 293

DIN 863-1 with data output



293-151-30

Measuring range mm	No.	L mm	a mm	b mm	c mm	Mass g
0- 25	293-151-30	31,8	2,8	7	26	320
25- 50	293-152-30	56,8	2,8	7	33	390
50- 75	293-153-30	81,8	2,8	10	48	530
75-100	293-154-30	106,8	2,8	11	61	670



Functions	Series 293	
	293-151-30 up to 293-154-30	293-821
ORIGIN	•	•
ZERO / ABS	•	•
Auto power-off (after 20 min. idle time)	•	•
DATA / HOLD	•	•
ZERO	•	•
Data output	•	•

Specifications

Accuracy:	Factory specification
Resolution:	0,001 mm
Scales:	thimble and sleeve satin chrome finish, Ø 18 mm
Measuring surfaces:	carbide-tipped, precision ground, micro-lap finish
Measuring force:	5-10 N
Battery life:	1,2 years

Including box, key, 1 battery,
with factory certificate

Consumable Spares

No.	Designation
938882	Battery SR-44

Specifications

with ratchet thimble	
Accuracy:	according to DIN 863-1
Resolution:	0,001 mm
Scales:	thimble and sleeve satin chrome finish, Ø 21,5 mm
Measuring spindle:	with spindle lock
Measuring surfaces:	carbide-tipped, precision ground, micro-lap finish
Battery life:	1,2 years
Frame:	enamelled
Measuring force:	5-10 N
Thread pitch:	1 mm

Including box, gauge block (from 25 mm
upward), insulation, key, 1 battery

Optional accessories

No.	Designation
937387	Signal cable (1 m)
965013	Signal cable (2 m)

Consumable Spares

No.	Designation
938882	Battery SR-44