

MICROLITRE CENTRIFUGE

# — MIKRO 185

## SMALL FOOTPRINT WITH UNMATCHED CAPACITY

The MIKRO 185 accommodates 12, 18 or 24 samples and is suitable for a wide range of tasks, thanks to a maximum RCF of 18,845 and a choice of four rotors. Spin column kits (minipreps) can also be used thanks to the special design of the 1213-A rotor.



## — HIGHLIGHTS

- RPM: 200 - 14,000 min<sup>-1</sup>  
Adjustable up to 10,000 RPM in increments of 10, above in increments of 100
- max. RCF: 18,845
- max. capacity: 24 x 2.0 ml
- compact, high-performance microlitre centrifuge
- choice of 4 rotors
- IVD-conform according to directive 98/79/EC
- noise level of  $\leq 54$  dB (A) with rotor 1252-A
- impulse button for short centrifugation
- easy operation with keypad

## — FEATURES





- plastic housing
- metal lid
- viewing port in the lid
- one-hand lid lock
- lid dropping protection
- emergency lid lock release
- light alloy chamber
- brushless drive
- error display
- imbalance monitoring and switch-off
- backlit panel with actual values of all parameters
- 3 adjustable messages after completion of the centrifugation run (audio + visual)

## TECHNICAL DATA

<b>MIKRO 185</b>	
voltage *)	200 – 240 V 1 ~
frequency	50 – 60 Hz
consumption	330 VA
emission, immunity	EN/IEC 61326-1, class B
max. capacity	24 x 1.5 / 2.0 ml
max. RPM	14,000 min <sup>-1</sup>
max. RCF	18,845
running time	1 – 99 min: 59 s, ∞ continuous run, short cycle mode (impulse button)
dimensions (WxDxH)	261 x 353 x 228 mm
weight	approx. 11 kg
noise level	≤ 54 dB (A) with rotor 1252-A
<b>Cat. No.</b>	<b>1203</b>
100 – 127 V 1 ~ / 50–60 Hz	1203-01
emission, immunity	FCC class B

\*) Other voltages on request.

## AVAILABLE ROTORS

<b>ANGLE ROTORS</b>		angle	max. RPM	max. capacity	Cat. No.	page
	angle rotor, 24-place	45°	14,000 min <sup>-1</sup>	24 x 2 ml	<b>1226-A</b>	3
	angle rotor, 12-place	45°	14,000 min <sup>-1</sup>	12 x 2 ml	<b>1252-A</b>	3
	angle rotor, 18-place	45°	14,000 min <sup>-1</sup>	18 x 2 ml	<b>1258-A</b>	4
	angle rotor, 18-place for spin column kits	45°	14,000 min <sup>-1</sup>	18 x 2 ml	<b>1213-A</b>	4

## — ANGLE ROTOR, 24-PLACE | 1226-A



<b>Rotor</b>	
max. RPM   max. RCF	14,000 min <sup>-1</sup>   18,845
max. capacity	24 x 2 ml
run up   run down, braked in sec	15   15
angle   max. noise level	45°   59 dB (A)
<b>Cat. No.</b>	<b>1226-A</b>



<b>Lid bioseal<sup>5)</sup></b>	<b>INCLUSIVE</b>
<b>Cat. No.</b>	



<b>Vessels</b>							
capacity in ml	0,2	0,4	0,5	0,8	1,5	2,0	0,5
Ø x L in mm	6 x 18	6 x 45	8 x 30	8 x 45	11 x 38	11 x 38	10.7 x 36
max. RCF <sup>2)</sup>	18,845	18,845	18,845	18,845	18,845	18,845	17,749
radius in mm	86	86	86	86	86	86	81
<b>Cat. No.</b>	<b>microliter tubes</b>						<b>Pediatric</b>

<b>Adapter</b>							
boring Ø x L in mm	6 x 40	6 x 40	8 x 40	8 x 40	-	11.2 x 39	
vessels per rotor	24	24	24	24	24	24	
<b>Cat. No.</b>	<b>2024</b>	<b>2024</b>	<b>2023</b>	<b>2023</b>	<b>2031<sup>7)</sup></b>	<b>-</b>	<b>0788</b>

## — ANGLE ROTOR, 12-PLACE | 1252-A



<b>Rotor</b>	
max. RPM   max. RCF	14,000 min <sup>-1</sup>   15,558
max. capacity	12 x 2 ml
run up   run down, braked in sec	15   15
angle   max. noise level	45°   54 dB (A)
<b>Cat. No.</b>	<b>1252-A</b>



<b>Lid</b>	<b>INCLUSIVE</b>
<b>Cat. No.</b>	



<b>Vessels</b>							
capacity in ml	0,2	0,4	0,5	0,8	1,5	2,0	0,5
Ø x L in mm	6 x 18	6 x 45	8 x 30	8 x 45	11 x 38	11 x 38	10.7 x 36
max. RCF <sup>2)</sup>	15,558	15,558	15,558	15,558	15,558	15,558	14,462
radius in mm	71	71	71	71	71	71	66
<b>Cat. No.</b>	<b>microliter tubes</b>						<b>Pediatric</b>

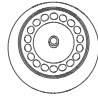
<b>Adapter</b>							
boring Ø x L in mm	6 x 40	6 x 40	8 x 40	8 x 40	-	11.2 x 39	
vessels per rotor	12	12	12	12	12	12	
<b>Cat. No.</b>	<b>2024</b>	<b>2024</b>	<b>2023</b>	<b>2023</b>	<b>2031<sup>7)</sup></b>	<b>-</b>	<b>0788</b>

2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote 2) is 4,000.

5) Tested by the TÜV in conformity with DIN EN 61010, section 2 - 020.

7) For centrifugation at high speeds, we recommend to use conical, phenol-resistant adapters 2031.

## — ANGLE ROTOR, 18-PLACE | 1258-A



### Rotor

max. RPM   max. RCF	14,000 min <sup>-1</sup>   16,654
max. capacity	18 x 2 ml
run up   run down, braked in sec	15   15
angle   max. noise level	45°   56 dB (A)
<b>Cat. No.</b>	<b>1258-A</b>



### Lid

<b>Cat. No.</b>	<b>INCLUSIVE</b>
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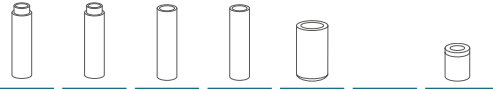
### Vessels



capacity in ml	0.2	0.4	0.5	0.8	1.5	2.0	0.5
Ø x L in mm	6 x 18	6 x 45	8 x 30	8 x 45	11 x 38	11 x 38	10,7 x 36
max. RCF <sup>2)</sup>	16,654	16,654	16,654	16,654	16,654	16,654	15,558
radius in mm	76	76	76	76	76	76	71
<b>Cat. No.</b>	<b>microliter tubes</b>						<b>Pediatric</b>



### Adapter



boring Ø x L in mm	6 x 40	6 x 40	8 x 40	8 x 40	-	10,2 x 19	11,2 x 39
vessels per rotor	18	18	18	18	18	18	9
<b>Cat. No.</b>	<b>2024</b>	<b>2024</b>	<b>2023</b>	<b>2023</b>	<b>2031<sup>7)</sup></b>	<b>-</b>	<b>0788</b>

## — ANGLE ROTOR, 18-PLACE | 1213-A



### Rotor

max. RPM   max. RCF	14,000 min <sup>-1</sup>   16,654
max. capacity	18 x 2 ml
run up   run down, braked in sec	16   15
angle   max. noise level	45°   57 dB (A)
<b>Cat. No.</b>	<b>1213-A</b>

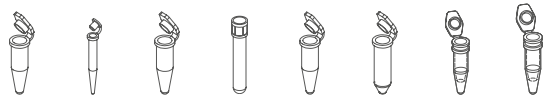


### Lid bioseal<sup>5)</sup>

<b>Cat. No.</b>	<b>1246</b>
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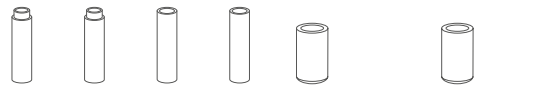
### Vessels



capacity in ml	0.2	0.4	0.5	0.8	1.5	2.0	1.5	2.0
Ø x L in mm	6 x 18	6 x 45	8 x 30	8 x 45	11 x 38	11 x 38	11 x 38	11 x 38
max. RCF <sup>2)</sup>	16,654	16,654	16,654	16,654	16,654	16,654	16,654	16,654
radius in mm	76	76	76	76	76	76	76	76
<b>Cat. No.</b>	<b>microliter tubes</b>						<b>micro spin columns</b>	



### Adapter



boring Ø x L in mm	6 x 40	6 x 40	8 x 40	8 x 40	10,2 x 19	11,2 x 39	10,2 x 19	11,2 x 39
vessels per rotor	18	18	18	18	18	18	18	18
<b>Cat. No.</b>	<b>2024</b>	<b>2024</b>	<b>2023</b>	<b>2023</b>	<b>2031<sup>7)</sup></b>	<b>-</b>	<b>2031<sup>7)</sup></b>	<b>-</b>

2) Please note that the RCF values indicated refer only to rotor performance. The max. permissible RCF of tubes used should be verified with the individual manufacturers. The max. RCF for glass tubes annotated with footnote 2) is 4,000.

5) Tested by the TÜV in conformity with DIN EN 61010, section 2 - 020.

7) For centrifugation at high speeds, we recommend to use conical, phenol-resistant adapters 2031.

**CERTIFICATES / REGISTRATIONS**



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**DIMENSIONS**

