



MIKRO HT1302 / HT1303

TECHNOLOGY

TECHNOLOGY	HT1302		HT1303	
	classic		cooled	
Microlitre centrifuge, without rotor				
Power supply *	200 – 240 V 1~	100 – 127 V 1~	200 – 240 V 1~	100 – 127 V 1~
Frequency	50 – 60 Hz	50 – 60 Hz	50 Hz	50 – 60 Hz
Consumption	230 VA	200 VA	400 VA	600 VA
Emission	EN 55011 group 1, class B EN 61000-6-3	FCC class B	EN 55011 group 1, class B EN 61000-6-3	FCC class B
Immunity	EN 61000-6-2	-	EN 61000-6-2	-
Max. capacity	24 x 1.5/2.0 ml			
Max. RPM (speed)	14,000 min ⁻¹			
Max. RCF	18,626			
Running time	1 – 99 min., ∞ continuous run, impulse key (short cycle mode)			
Dimensions (H x W x D) in mm	260 x 275 x 344		260 x 281 x 547	
Weight	11.5 kg		28 kg	
Refrigeration				
Temperature control, infinitely variable	-		from -10 to +40 °C	
Precooling time (Fast Cool)	-		in 10 – 15 min. to +4 °C	

* other voltages on request



Hettich centrifuges comply with all relevant EU standards in effect and conform to the European level of quality and safety for medical devices. Evidence is provided by national and international test marks such as IEC 61010 or the CE conformity. The ISO 9001:2000 and ISO 13485:2003 certificates accredited to the company bear witness to the extreme care and responsibility Hettich puts into the manufacturing of centrifuges and their accessories.



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COOL
SPRINTER

MIKRO HT1302 / HT1303
Microlitre Centrifuges
classic/cooled

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The MIKRO HT1302 and HT1303 rank among the fastest centrifuges in their class – with a maximum speed of 14,000 RPM and an RCF of 18,626. Not only are they fast, the MIKRO HT1303 also refrigerates quickly: to +4°C with the Fast Cool function in 10 to 15 minutes.

Even thermosensitive samples can be gently centrifuged thanks to highly reliable refrigeration. Best separation results are guaranteed with the smooth-running, high-performance motor featuring a maintenance-free frequency drive. With the autoclavable and aerosol-tight accessories, even infectious materials can be processed safely for both the user and the environment.



MIKRO HT1303 control panel



MIKRO HT1303 cooled



MIKRO HT1302 classic

USER-FRIENDLINESS



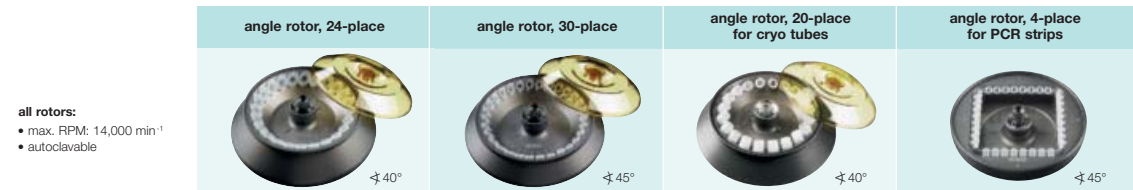
- Automatic lid locking
- Quick-entry foil keypad
 - Easy-to-read, digital display
 - Display of current parameter values
 - Select key for parameter selection
 - Impulse key for short centrifuging
 - Open lid key
 - RCF key
- Twist knob to enter values
 - RPM in increments of 10
 - Running time in minutes, max. 99 min
 - Temperature in increments of 1°C (MIKRO HT1303)
- 4 programmable memories

REFRIGERATION (MIKRO HT1303)

- Infinitely variable setting from -10 °C to +40 °C
- Fast Cool function
- Stand-by mode maintains the set temperature
- Automatic refrigeration switch-off when the lid is opened

SAFETY

- Lid dropping protection
- Lid locking and holding
- Emergency lid lock release
- Motor overheating protection
- Chamber overheating protection
- Imbalance switch-off
- Standstill indication
 - with the refrigerated model MIKRO HT1303 the LED in the Open key lights up
 - with the MIKRO HT1302 the lid opens automatically after the rotor has come to a standstill



- all rotors:**
- max. RPM: 14,000 min⁻¹
 - autoclavable

max. RCF	18,626	17,749	18,407	12,490
radius in mm	85	81	84	57
run-up in s (at level 9)	13	10	13	9
braked run-down in s (at level 9)	15	13	15	13
lowest attainable temperature in MIKRO HT1303 at max. speed in °C	+4	+4	+4	+4
boring Ø x L in mm	11.2 x 42.6	8.1 x 30.3	12.5 x 36	6.5 x 15.5
Cat. No.	HTR1611	HTR1615	HTR1616	HTR1617

tubes per rotor	24						30	20	32	4 x 8
capacity ml	0.2	0.4	0.5	0.8	1.5	2.0	0.5	1.8	0.2	0.2
microlitre tubes										
dimensions Ø x L in mm	6 x 18	6 x 45	8 x 30	8 x 45	11 x 38	11 x 38	8 x 30	-	6 x 18	-
Cat. No.	-	-	-	-	2078	0536	-	-	-	-

adapters			
boring Ø x L in mm	6 x 40	8 x 40	10.2 x 19
Cat. No.	2024	2023	2031

lid	inclusive	inclusive	inclusive	optional
Cat. No.	-	-	-	E2040
lid, autoclavable, with bio-containment ²⁾	optional	optional	optional	-
Cat. No.	HTR1612	HTR1612	HTR1612	-
lid, autoclavable, phenol-resistant, with bio-containment ²⁾	optional	optional	optional	-
Cat. No.	HTR1618	HTR1618	HTR1618	-

¹⁾ form-fitting adapter, phenol-resistant, recommended for centrifugation at high speed
²⁾ tested by the TÜV in conformity with DIN EN 61010, part 2-020

