

MIKRO HT1302 / HT1303

TECHNOLOGY

	HT1302		HT1303	
Microlitre centrifuge, without rotor	**classic**		**cooled**	
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

MED CERT CERTIFIED DIN EN ISO 13485:2003

GLC CERTIFIED DIN EN ISO 9001:2000

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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Hettich ZENTRIFUGEN

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MIKRO HT1302 / HT1303
Microlitre Centrifuges
classic/cooled

Hettich ZENTRIFUGEN

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

	angle rotor, 24-place	angle rotor, 30-place	angle rotor, 20-place for cryo tubes	angle rotor, 4-place for PCR strips	
	 40°	 45°	 40°	 45°	
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**[1]

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



lid E2040



lid **HTR1612** with bio-containment [2], autoclavable



lid **HTR1618** with bio-containment [2], autoclavable, phenol-resistant