

# Product Specification

**SLEE** medical



Product:	MNT
	230 V, 50-60 Hz
Art.No.:	10160000
Commodity Code:	90279010

## Highlights

- Modern rotary microtome with motorized  $\mu\text{m}$  advance/return
- Cutting motor with adjustable speed
- Storage area for 24 specimen holders
- Large anti-roll plate
- Automatic defrost
- 2x Shock freezing positions (optional)
- UV-C disinfection (optional)
- Object cooling (optional)

## Standard Accessories

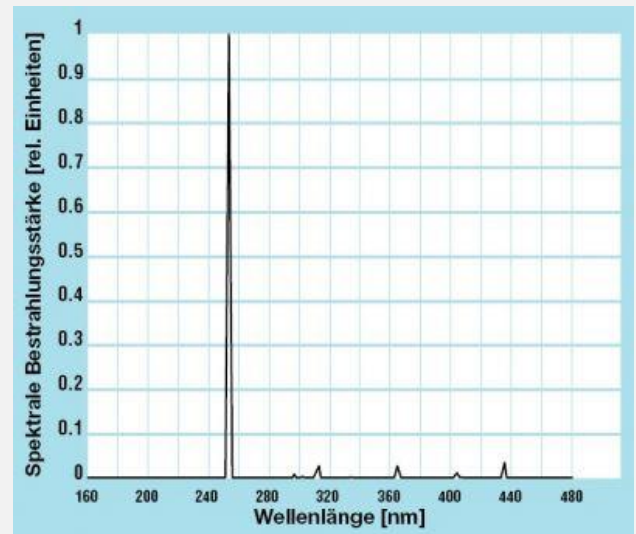
- Basic instrument with fully automatic rotary microtome
- Object holders (5x  $\varnothing$  22 mm; 5x  $\varnothing$  35 mm)
- 1x Heat extractor
- 1x Rack for object holders (stainless steel)
- 1x Brush
- Anti-roll plate, ready to use
- 1x Bottle cryostat low temperature oil
- 1x CryoGlue embedding medium (4x 125 ml)
- 1 Box of disposable blades (50 pcs.) or 1 steel knife (16 cm C-profile)
- Set of allen keys
- Operation manual
- Mains cable

# Cryochamber



## UV-C disinfection (optional)

- Surface Disinfection at 254 nm
- No chemicals or toxic compounds
- No formation of resistance
- 99,99 % efficiency
- Comfortable and quick procedure
- Safety sensors



## SPECIFICATIONS

Nominal supply voltage:	230 V AC +/- 10%
Nominal frequency:	50 / 60 Hz
Power draw:	860 VA / 1380 VA +specimen cooling (optional)
Protective class:	(1) I
Power fuses:	2x T 10 A
Pollution degree:	(1) 2
Overvoltage installation category:	II
Maximum heat emission:	860 J/s / 1380 J/s +specimen cooling (optional)
Operating temperature range:	+10 °C to +35 °C
Temperature range during storage:	+5 °C to +55 °C
Relative humidity:	max. 80% non condensing
Humidity during storage:	< 8%
<small>(1) According to IEC 1010, EN 61010</small>	
<b>Cryochamber</b>	
Material:	Stainless steel
Dimensions [W x D x H]:	490 x 550 x 400 mm
Illumination:	LED
Temperature range:	0 °C to -35 °C, +/- 5 K, adjustable in 1 K steps
UV-C disinfection (optional):	254 nm Programmable, Safety sensors
Specimen cooling (optional):	Temperature setting range: -10 °C to -50°C, +/- 3 K Double compressor, refrigerant: R 404 a
Specimen preparation positions:	24x positions, 10°C lower than chamber temperature
QuickFreeze specimen preparation positions (optional):	2x positions, down to -55 °C
Section thickness setting range:	0 - 100 µm
Section thickness selection:	0 - 2 µm in 0,5 µm, 2 - 20 µm in 1 µm 20 - 50 µm in 2 µm, 50 - 100 µm in 5 µm
Trimming thickness setting range:	0 - 300 µm
Section motor speed:	0 - 300 mm/s, free programmable
Section modes:	Manual, motorised (trimming, single, continuous)
Horizontal specimen feed:	28 mm
Vertical stroke:	59 mm
Maximum specimen size:	50 mm
Coarse feed:	motorised, 2 speeds (600 µm/s / 3000 µm/s)
Specimen retraction:	0 - 200 µm, free programmable
Specimen orientation, horizontal:	8°
Specimen orientation, vertical:	8°
Specimen orientation, z-axis:	360°
Cooling time RT to -25°C:	approx. 5 h
Cooling time to -35°C:	approx. 6 h
Refrigeration capacity:	640 W
Refrigerant:	R 404 a
Automatic Defrost:	automatic hot gas defrosting, temperature and time controlled manual defrosting on demand
Dimensions and weight [W x D x H]:	680 mm x 760 mm x 1110 mm
Weight [w/o accessories]:	127 kg

## Optional Accessories

Standard Knife Holder, Art.No.: #10156010

Disposable Blade Holder (low profile) , Art.No.: #10157005

Disposable Blade Holder (high profile), #10158005

2x Quick freezing positions, Art.No.: # 10159000

UV disinfection, Art.No.: # 10169000

Specimen cooling 230 V, 50/60 Hz, Art.No.: #10164000

Heat extractor block, Art.No.: # 31000253

Object holder (Ø 22 mm) , Art.No.: #30000002

Object holder (Ø 35 mm) , Art.No.: #30000000

Object holder (Ø 50 mm) , Art.No.: #30000003

Cork plate (100 pcs.; Ø 20 mm) , Art.No.: #30001001

CryoGlue embedding medium (4x 125 ml) , Art.No.: #30001100

clear-cut Brush, Art.No.: #30001030

Anti-roll plate (disposable blade holder) , Art.No.: #32001050

Anti-roll plate (standard knife holder) , Art.No.: #32001049

Disposable blade (low profile; 50 pcs.) , Art.No.: #28407000

Disposable blade (high profile; 50 pcs.) , Art.No.: #28408000

Freezing spray (173 g) , Art.No.: #30001010

Cryostat low temperature oil (50 ml) , Art.No.: #30001011

Disinfection spray (250 ml) , Art.No.: # 30001200

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