

# Technical Data Sheet

Date of printing: 06/2009

## Leica VT1200/VT1200S

### Vibrating-blade microtome



#### General data:

Cutting frequency ( $\pm 10\%$ ):	85 Hz ( $\pm 10\%$ )
Amplitude:	from 0–3 mm, in 0.05 mm increments
Cutting speed ( $\pm 10\%$ ):	0.01–1.5 mm/s
Return speed ( $\pm 10\%$ ):	1.0–5 mm/s, in 0.5 mm/s increments
Total vertical specimen stroke:	20 mm (motorized)
Cutting range:	45 mm
Cutting window:	0.5 mm–45 mm, adjustable (VT1200S only)
Specimen retraction:	0–100 $\mu$ m (adjustable, can be deactivated, VT1200S only)
Maximum specimen size:	
With standard blade holder:	33 x 50 mm
Specimen orientation, rotating:	360°
Specimen plate, swiveling:	0–10°
Section thickness adjustment:	manual in 1 $\mu$ m increments or automatic max. 1000 $\mu$ m
Approval:	CE, c_CSA_us

#### Ambient conditions:

Operating temperature range:	min. 10 °C–max. 35 °C
Relative humidity:	max. 60 %
Storage temperature:	5–55 °C
Storage humidity:	< 60 %
Height:	up to 2000 m NN

#### Electrical data:

Rated voltage range ( $\pm 10\%$ ):	100V–240 V
Rated frequency ( $\pm 10\%$ ):	50/60 Hz
Power consumption:	35 VA
Protection class:	I
Power fuses:	T 1A L 250 V
Pollution degree:	2
Overvoltage category:	II
Electrical overload protection:	yes
Internal current limit for the electronics:	yes

#### Dimensions:

<b>L x W x H:</b>	600 mm x 250 mm x 230 mm
Height with magnifier support:	600 mm x 250 mm x 320 mm
Height with microscope:	600 mm x 250 mm x 490 mm
Control unit (when the bases are folded in):	190 mm x 150 mm x 72 mm

#### Weight:

Without magnifier support and control unit:	56 kg
VT1200S control unit:	1 kg
Magnifier support:	2 kg
Microscope support with stereomicroscope:	4 kg