



<b>Technical Data Sheet</b> <b>Leica RM2245 - Semi Motorized Rotary Microtome</b>
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**Approvals:**

CE/c-CSA-us

**Room conditions**

Room temperature range: + 15 °C to + 35 °C  
 Operating temperature range: + 10 °C to + 35 °C  
 Relative humidity: max. 80% , non condensing

**Storage location**

Storage temperature range: + 5 °C to + 50 °C  
 Humidity: < 85%

Nominal supply voltages: 100/120/230/240 V AC±10 %  
 Nominal frequency: 50/60 Hz  
 Power draw: 70 VA  
 Protective class: I  
 Power fuses: 2 x T1,0 A UL listed  
 Pollution degree: 2  
 Overvoltage installation category: II  
 Maximum heat emission: 340 J/s

**Microtome**

Section thickness setting: 0.5 - 100 µm  
 0.5 to 5 µm in 0.5 µm increments  
 5 to 20 µm in 1 µm increments  
 20 to 60 µm in 5 µm increments  
 60 to 100 µm in 10 µm increments

Trimming section thickness setting: 1 - 600 µm  
 1 to 10 µm in 1 µm increments  
 10 to 20 µm in 2 µm increments  
 20 to 50 µm in 5 µm increments  
 50 to 100 µm in 10 µm increments  
 100 to 600 µm in 50 µm increments

Object feed: 24 mm ± 1 mm, feed motion via step motor / 1 inch  
 Vertical stroke: 70 mm / 2.76 inches  
 Maximum specimen size (LxHxW): 50 x 60 x 40 mm / 1.97 x 2.36 x 1.57 inches  
 Maximum sectioning area w/o retraction: 65 mm / 2.56 inches (without specimen orientation)  
 Maximum sectioning area with retraction: 60 mm / 2.36 inches  
 Specimen orientation:  
 Horizontal: ± 8 °  
 Vertical: ± 8 °

Repositioning of knife holder base:  
 North-south: ± 24 mm / 0.94 inches  
 Specimen retraction:  
 in manual operation: 5-100 µm in 5 µm increments, can be turned off  
 Electric coarse feed: 300 µm/s and 800 µm/s

**Dimensions**

**Basic instrument**

Width (with handwheel): 413 mm / 16.26 inches  
 Width (without handwheel): 300 mm / 11.81 inches  
 Depth (with waste tray): 618 mm / 24.33 inches  
 Depth (without waste tray): 520 mm / 20.47 inches  
 Working height (knife edge): 100 mm / 3.94 inches (measured from the base plate)  
 Working height (knife edge): 168 mm / 6.61 inches (measured from the stage)  
 Height (total): 305 mm (with storage area on the housing) / 12.01 inches  
 Weight (without accessories): approx. 29 kg / 64 lbs

**Control Panel**

Width: 94 mm / 3.7 inches  
 Depth: 164 mm / 6.46 inches  
 Height: 50 mm / 1.97 inches  
 Height (in inclined position): 81 mm / 3.19 inches  
 Weight (net): approx. 0.450 kg / 1 lbs