



Technical Data Sheet Leica RM2255 - Fully Motorized Rotary Microtome

Approvals:

CE/c-CSA-us

Room conditions

Room temperature range: + 10 °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: 340 VA
 Protective class: I
 Power fuses: 2 x T3.2 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
 Sectioning modes: 4
 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
 East-West: ± 23 mm/0.91 inches

Specimen retraction:
 in manual operation: 5-100 µm in 5 µm increments, can be turned off
 in motorized operation: 10-70 µm, varying with the sectioning speed, can be turned off
 Electric coarse feed: 300 µm/s and 800 µm/s
 Sectioning speed: 0; 0.5 - 420 mm/s ±10 %
 Return speed: approx. 120-420 mm/s ±10 %

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
 + connecting socket + 40 mm / 1.6 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. 37 kg / 81.5 lbs

Control Panel

Width: 121 mm / 4.76 inches
Depth: 166 mm / 6.53 inches
Height: 50 mm / 1.97 inches
Height (in inclined position): 81 mm / 3.19 inches
Weight (net): approx. 0.660 kg / 1.45 lbs