ARM 3600 Microtome

Technical Data Sheets

Histo-Line Laboratories

ARM 3600 Fully Motorized Programmable Rotary Microtome

Function and characteristic:

- Motorized drive.
- Compatible Embedding Material paraffin, plastic.
- The cutting and trimming function can be finished by the control system.
- The hand wheel can be locked at any position, so as to ensure the safety of the operation.
- The large waste tray can be Exchanged arbitrarily.
- Two kinds of the specimen clamps, standard and universal cassette can be changed easily.
- Two model for section: Manual and automatic, the user can switch arbitrarily.
- Switch arbitrarily between section and trimming.
- Speed control through the knob for enhanced efficiency
- Intuitive control panel
- Section thickness totalized and section counter
- New blade holder with finger safe
- Wide range of accessories

Standard delivery:

Standard delivery include:

- 1 ARM 3600 basic instrument
- 1 section waste tray
- 1 disposable blades holder
- 1 universal fast clamp for cassette
- 1 standard clamp for blocks
- 1 operating manual
- 1 bottle (50 ml) of oil for drives
- 1 box of 50 disposable blades type S35

Do not include:

- 1 holder for standard reusable knife
- 1 stainless steel knife

Technical Parameter

Approvals:	CE IVD
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 + 55 °C
Humidity:	< 80%
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
Microtome	
Section thickness setting:	0,25 - 60 µm 0,25 to 1 µm in 0,25 µm increments 1 to 10 µm in 1 µm increments 10 to 20 µm in 2 µm increments 20 to 60 µm in 5 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:	28 mm ± 1 mm, feed motion via step motor / 1.1 inches
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 900 µm/s
Dimensions	
Basic instrument	
Width (with handwheel):	413 mm
Width (without handwheel):	300 mm
Depth (with waste tray):	618 mm
Depth (without waste tray):	520 mm
Working height (knife edge):	100 mm
Working height (knife edge):	168 mm
Height (total):	305 mm (with storage area on the housing)
Weight (without accessories):	app. 37 kg/

NB: Specifications are subject to change without any prior notice

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