

Living up to Life

Technical Data Sheet

Date of printing: 09/2011

Leica CV5030 Automated Glass Coverslipper



Technical Data

Ambient conditions

Ambient temperatures:	+15 °C to +35 °C
Storage temperature range:	+5 °C to +50 °C
Operating elevation:	up to a max. of 2000 m above sea level
Relative humidity:	max. 80%, non-condensing
Storage humidity:	< 80%, non-condensing

Electrical data

Nominal supply voltages:	100-240V AC \pm 10 %
Nominal frequency:	50 to 60 Hz
Nominal power:	100 VA
Main fuses:	2x Automatic Circuit Breaker T 5 A
IEC 1010 classification:	Protection class 1 Pollution degree 2 Overvoltage installation category II
International Protection Class:	IP20
Connections:	RS 232C - communication interface
Uninterruptible power supply (UPS):	The UPS should be designed for a capacity of at least 200VA for a period of 5 minutes.
Admission:	CE, CSA C/US

Additional data

A-weighted noise level:	\leq 70 dB (A)
Heat dissipation:	100 J/s

Dimensions and weights

Width:	420 mm (14.57 Inch)
Depth:	600 mm (23.62 Inch)
Height:	550 mm (21.65 Inch) (with lid closed) 980 mm (38.58 Inch) (with lid opened)
Width (from right foot to left foot):	370 mm (14.57 Inch)
Depth (from rear foot to front foot):	525 mm (20.67 Inch)
Width (CV5030 with TS5025 Transferstation):	560 mm (22.05 Inch)
Weight:	57 kg (125.55 lbs.)
Weight (including shipping crate):	104 kg (229.07 lbs.)
Software interlock:	ON/OFF

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Capacity Data

Slide throughput:	1 slide in 9 seconds
Usable slides:	All commercial available slides according to ISO-standardization 8037-1. Leica recommends to use validated Surgipath™ slides.
Coverslip magazin capacity:	Depending on coverslip size: 120 pcs. (22-24mm x 60mm; #1.5) 160 pcs. (22-24mm x 40mm; #1.0)
Volume Mounting media bottle:	250 ml
Maximum filling volume:	200 ml
Mounting media volume dispensed:	Individual setting (refer to Instruction for Use, Chapter 5.8 ff.)
Mounting media:	Refer to Instruction for Use, Chapter 5.12 Leica recommends to use validated Surgipath™ mountants.

Exhausted Air

Material of pipes:	EVA (Ethylenvinylacetate)
Length of pipes:	3000 mm
Inlet diameters:	32 mm
Outlet diameters:	41 mm
Exhausted air rate:	38,5m ³ /h
Fume Extraction:	Active carbon filter and exhaust hose for connection to an external ventilation

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Site Requirements

- The instrument requires an installation area of approximately 420 x 600 mm (16.54 x 23.62 Inch).
- The Bench must have a sufficient load in respect to the weight of the instrument.
- The instrument is designed for indoor use only.
- The power supply must be within the range of the length of the power cable. No extension cable may be connected.
- The instrument must be connected to a grounded power socket.
- Use only one of the provided power cables that is intended for the local power supply.
- Do not place the device directly under an air-conditioning system.
- Avoid vibrations, direct sunlight and heavy variation in temperature.
- To ensure proper function of the instrument, it must be set up while maintaining a minimum distance of 10 cm (3.94 Inch) from walls and furniture and 25 cm (9.84 Inch) from left side to open the service door.
- The instrument must be set up so that the power switch of the instrument and the power plug are easily accessible at all times.
- Do not operate the instrument in rooms with explosion hazard and near corrosive, flammable and explosive gas / liquids.
- The installation must be protected against electrostatic discharge.
- The chemicals used in the device are easily inflammable and hazardous to health. Therefore, the installation location must be well ventilated.
- All connections are described in the instruction for use.
- Operate the instrument with an active carbon filter and an air evacuation hose at a maximum distance of 3,0m (118.11 Inch) to the exhaust duct.
- We highly recommend to connect the instrument to an external exhaust. Please note that the active carbon filter does only support filtering of hazardous fumes (xylene). The specific installation situation can be very different due to vapours caused by additional instruments, solvent use, room ventilation rate, local ambient temperature, room volume, etc. In case of uncertainty, the laboratory owner / operator must carry out a local measurement to prove that legal thresholds of solvent fumes are not exceeded.