



# Leica CM 1100 Cryostat

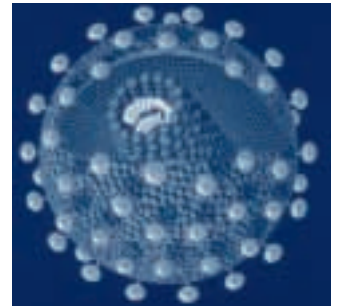
Bench-top cryostat

for universal use

*Leica*

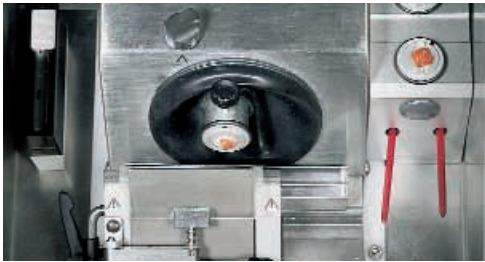
# The full technology of the large Leica cryostats – now in compact-size format

State-of-the-art technology and perfect user friendliness characterize the large Leica cryostats – distinctive features which are now also available in a compact, portable design. With the need for mobile diagnostics ever increasing, the new Leica CM 1100 is the ideal cryostat for safe and fast on-the-spot evaluation – at the same time it is also an excellent back-up instrument for your lab. It is easy to transport and it can be pre-cooled in the vehicle, the only essential for that purpose being a 12-volt car battery. If the need arises, the Leica CM 1100 can also be operated in the vehicle without any difficulty. The fully enclosed microtome makes both cleaning and disinfection easy tasks. The Leica CM 1100 – a highly efficient instrument, ready for immediate use in any place and at any time.



## **A mobile instrument for unlimited use**

With a total weight of only 50 kg, the Leica CM 1100 can be easily carried and be transported in practically any vehicle. The Leica CM 1100 is provided with a 12-V-connection for either sectioning in the vehicle, or for pre-cooling during transport, so the instrument will be ready for service when arriving on-site.



### Spacious, clearly arranged cryochamber

Notwithstanding its compact dimensions the Leica CM 1100 cryochamber offers ample space for comfortable sectioning. There is no limitation to the instrument's range of applications. The CE knife holder allows sections as thin as  $3\ \mu\text{m}$  – the integrated glass anti-roll plate is automatically carried along when the knife holder is laterally adjusted.

### Coarse feed wheel for ease of operation and increased speed

All controls are located on the outside of the instrument. This is also true for the coarse feed wheel, designed for quick and easy specimen trimming.



### Specimen cylinder slot cover – perfect protection and ease of maintenance

The slot cover keeps the interior mechanism of the Leica CM 100 free from sectioning debris. In addition, it considerably eases cleaning and maintenance of the instrument.



# Leica CM 1100 – Instrument features

- Portable bench-top cryostat
- Compact unit, providing maximum ease of use at a total weight of 50 kg
- Spacious, easy-to-clean cryochamber made out of stainless steel
- CE disposable blade holder with lateral adjustment and glass anti-roll plate
- Quick-freeze shelf
- Two section waste trays
- Microtome with specimen cylinder slot cover – ideal for spray disinfection
- Automatic and manual hot gas defrosting
- CFC-free refrigerants and insulating foams.
- Connection for 12-volt car battery

# Leica CM 1100 – Technical specifications

Section thickness adjustment: ..... 0 to 20 µm  
Maximum specimen size: ..... 25 mm Ø  
Total horizontal specimen advance: ..... 15 mm  
Vertical specimen stroke: ..... 46 mm

## Cryocabinet

Dimensions (W x H x D): ..... 570 x 380 x 777 mm  
Weight (incl. Microtome): ..... 50 kg

## Refrigerating capacity

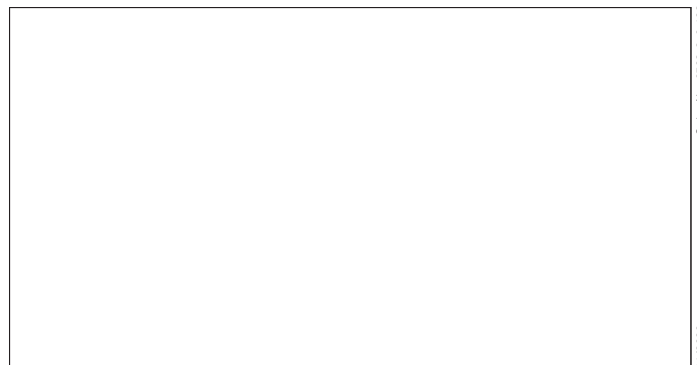
Temperature setting range: ..... 0 °C to -30 °C ± 10%  
Cooling down time to -20 °C: ..... 1,5 h  
Chamber defrosting: ..... automatic hot gas defrosting;  
automatic defrost time freely programmable;  
manual defrosting on demand;  
duration: 15 min

Manufactured in compliance with UL-, CSA-, IEC-, and VDE standards. State-of-the-art R&D, manufacturing and quality assurance procedures – registered under DIN EN ISO 9001 – ensure highest quality and reliability.

Wide range of accessories available on request.  
Technical specifications subject to change without prior notice.

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