

EMBEDDING STATION CD1000

IVD In vitro diagnostic-medical device

CND Code: W0202059004 - **CIVAB Code:** IAP BPC C1



In the photo, from the left: Cooling Plate, Paraffin Dispenser, Thermal Unit.

General information

Type of instrument:	Embedding station.
Model:	CD1000.
Code:	40-200-000.
Description:	Modular instrument used to effect the paraffin inclusion of cytological and histological samples. Composed of three separate modules called Paraffin Dispenser , Thermal Unit and Cooling Plate which can be positioned in a different way depending on the operator's requirements.
Manufacturer:	Bio-Optica Milano S.p.A.
Distributor in Italy:	Bio-Optica Milano S.p.A.
Marketing:	Since 2001.

Dimensional features

Dimensions (WxDxH): 1200x560x290 mm.
Weight: 68 Kg.

Electrical connections

Power supply: 230V~ 50/60Hz.
Power: 1630 Watt (in total).

Other connections

Water connections: Not necessary.
Fumes aspiration/filtration: Not necessary.

Technical features common to paraffin dispenser and thermal unit

Working temperature adjustment: Through electronic thermostat with microprocessor.
Working parameters visualization and modification: Through control panel with digital display, bilingual (Italian and English).
Programming possibility: Instrument starting and switching off, weekly.

Technical features of cooling plate

Working: Single key ON/OFF for ignition and switching off.
Temperature programmable up to max -20°C managed by internal thermostatic temperature control.
Reading precision $\pm 0,5^{\circ}\text{C}$.

Paraffin Dispenser 40-200-100

Paraffin dispenser used to effect the inclusion of histological samples quickly and cleanly.

The constant temperature of the paraffin basin, of the working plate and the separate heating of the dispensing nozzle assure the optimal working temperature.



Dispensing nozzle controlled by proximity sensor.



Backlit control panel.

Dimensions (WxDxH):	360x550x290 mm.
Paraffin basin dimensions (WxDxH):	300x150x100 mm. Capacity ca. 4 litres.
Working plate dimensions (WxD):	360x300 mm.
Weight:	21 kg.
Power:	700 Watt.
Working temperature:	Adjustable from +20°C to +70°C. Reading precision $\pm 2^\circ\text{C}$.

Structural features

- Painted sheet steel chassis.
- Structure consisting of two working areas heated and thermostated separately:
- Stainless steel paraffin basin with cover, used to melt scale paraffin.
- Aluminium working plate provided with 6 heated seats for tweezers and paraffin collecting drawer, both heated.
- Paraffin dispensing system through dispensing nozzle controlled by proximity sensor (free of maintenance) or through pedal (optional accessory). Flow adjustment through regulation knob.
- Lighting through articulated halogen lamp of 12 Volt - 5 Watt.
- Cold point for rapid cooling: \varnothing 55 mm spot cooled at ca. -3°C through "Peltier" plate, with independent ignition.

Thermal Unit 40-200-200

Thermal unit used for paraffin and blocks heating.



Dimensions (WxDxH):	360x550x290 mm.
Blocks upper chamber dimensions (WxDxH):	315x210x104 mm.
Removable upper basin (WxDxH):	310x195x100 mm. Capacity ca. 5,5 litres.
Samples lower basin dimensions (WxDxH):	265x205x40 mm. Capacity ca. 3 litres.
Weight:	17 kg.
Power:	330 Watt.
Working temperature:	Adjustable from +20°C to +70°C. Reading precision $\pm 2^{\circ}\text{C}$.

Structural features

- Painted sheet steel chassis.
- Structure consisting of two stainless steel working areas heated and thermostated separately:
- Fixed upper chamber with cover used for the inclusion blocks preheating.
- Removable upper basin that can be used to contain the cassette holder baskets coming directly from the processor with maximum height of 100 mm.
- Removable lower basin with horizontal sliding cover, used to melt scale paraffin where processed samples are placed before being included.

Cooling Plate 40-300-200

Cooling plate used to obtain the rapid cooling of histological samples included in paraffin.



Dimensions (WxDxH):	500x550x290 mm.
Cooling surface dimensions (WxD):	400x270 mm.
Weight:	30 kg.
Power:	600 Watt.
Working temperature:	Programmable up to max -20°C managed by internal thermostatic temperature control. Reading precision $\pm 0,5^{\circ}\text{C}$.

Structural features

- Painted sheet steel chassis.
- Stainless steel cooling surface which can house up to 80 standard embedding cassettes. Provided with plastic anti-dripping edge.
- Cooling system by compressed cycle without CFC.

Optional accessories

QUANTITY	DESCRIPTION	CODE
1	HEATED FORCEPS	40-200-050
1	PEDAL FOR PARAFFIN SUPPLY	40-200-051
1	MAGNIFYING LENS	40-200-052

Recommended products for the use of the instrument

Code	Description	Packaging
08-1750	BioParaFree - dewaxing solution	1 bottle 100 ml
08-7910	Paraffin Bio Plast 56÷58 °C	6 bags of 2 kg
08-7910B	Paraffin Bio Plast Blue 54÷57 °C	6 bags of 2 kg