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## Immersion Circulator Type IMMERCIRC

### Technical Description:

IMMERCIRC immersion circulators represent a universal foundation for creating a thermostatic bath. Thanks to their simple mounting system for attachment to the edge of a vessel, they allow you to assemble a temperature control system for both heating and cooling exactly according to your requirements.

- **Application:** Suitable for baths with a volume of up to 50 liters, ensuring uniform liquid circulation.
- **Temperature Range:** The digital control unit operates in the range of  $-80\text{ }^{\circ}\text{C}$  to  $+170\text{ }^{\circ}\text{C}$ .
- **Cooling Options:**
  - Without additional cooling: The lower temperature limit is  $5\text{ }^{\circ}\text{C}$  above ambient temperature.
  - With cooling coil (tap water): Easily achieves temperatures down to  $+20\text{ }^{\circ}\text{C}$ .
  - With immersion cooler/compressor: Extends the lower limit down to  $-20\text{ }^{\circ}\text{C}$  (depending on the cooling unit's performance).

### Key Features and Control

- **Intelligent Regulation:** The LCD display shows both the setpoint and actual temperature with a resolution of  $0.01\text{ }^{\circ}\text{C}$ , as well as the elapsed time since the start of regulation.
- **Programmable Profiles:** The membrane keypad allows for the setting of temperature profiles (time/temperature) and the execution of calibration programs.
- **Connectivity:** The unit is equipped with an RS232-USB interface. PC software is included, enabling remote control and monitoring of the temperature curve.
- **External Temperature Control:** A "Pump set" can be ordered as an optional accessory for the temperature control of external systems outside the primary bath.

### Technical Data:

Parameter	Value
Temperature range	$-80\text{ }^{\circ}\text{C}$ až $+170\text{ }^{\circ}\text{C}$
Temperature setting accuracy	$0,01\text{ }^{\circ}\text{C}$
Control accuracy	$\pm 0,02\text{ }^{\circ}\text{C}$
Heating Power	1500 W
Cooling Power	až 600 W
Dimensions	$130 \times 160 \times 380\text{ mm}$
Weight	2,4 kg
Power supply	230 V / 50 Hz
Immersion Depth	120 mm až 280 mm

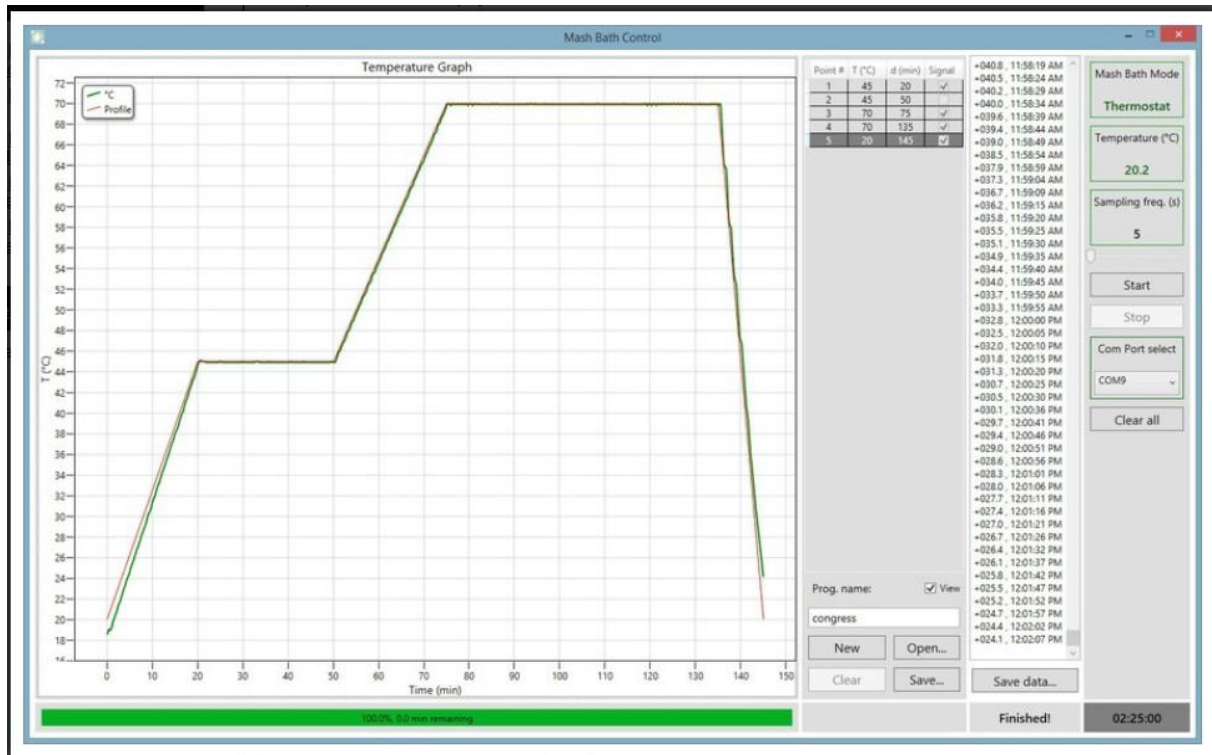


### Safety Features:

- Low liquid level protection: Automatic heating shut-off in the event of low fluid levels.

### Optional Accessories:

- Temperature control baths: (Stainless steel or plastic).
- Mounting bracket: For fixation onto non-standard vessels.
- Immersion cooler or compressor cooling unit.
- Pump set: For external circulation.



Software *Monitoring* umožňující nastavení teplotní křivky v PC a řízení termostatu dle této nastavené teplotní křivky z PC.

### **Key Features and Applications:**

- **High precision with calibration options:** Fully compliant with the requirements of laboratories operating under ISO 9001/9002 standards.
- **Advanced remote control:** Capability to manage temperature curves directly from a PC via the *Monitoring* software.