

Histology Equipments Controller - Design and Manufacturing

Tissue Embedding Station Controller



Easy to operate instrument display All functions of the LuxMed Controller are controlled through the easy-to-read L.E.D. display, including temperature settings for left and right-hand warming trays, paraffin reservoir, and working surface. Work days and times can be programmed for automatic instrument operation.

- Paraffin flow via gravitational force
- Spacious, heated work surface with paraffin drain system for interim storage of molds and cassettes
- Two heated, removable paraffin collecting trays
- Adjustable temperatures for paraffin reservoir, working surfaces, and integrated warming trays, between 55 °C to 70 °C in 5 °C increments.
- Enhanced mode, selectable for rapid paraffin melting when working in shifts.
- Programmable on and off timer
- Foot switch (optional)
- Constant temperature of the cold plate at -5 °C

Water bath Controller With Low Water Sensor



- Ergonomic Display and Touch Button Control.
- SET TIME and READ TIME Display.
- SET TEMPERATURE and READ TEMPERATURE display.

- Automatic Timer Startup up after the SET TEMPERATURE is achieved.
- System OFF after time is completed.

- Temperature Range: AMBIENT to 99.9°C.
- Temperature Accuracy: 0.1°C
- Temperature Control: AMBIENT + 5°C
- Temperature Control Accuracy: 0.1°C
- Timer Range: 999 Min.
- Timer and Temperature Data Retention Time: 10 Years.
- Temperature Control Algorithm: PID./ Fuzzy Logic.
- Sensor: PT-100
- Etc.

Technology To Enable



Incubator / Water Bath Controller

L:237mm x W:92mm x H:50mm



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Automatic Tissue Processor



Automatic Tissue Processor is a compact and sturdy instrument designed with the latest technology for complete automatic dehydration and filtration of human, animal, and plant tissues, up to final fixing in wax. Pre programmable provision for dehydration cycle (user selectable) is a standard feature.

Specification

- Delayed start feature: Delayed start function up to 9 days.
- Vacuum unit: Optional and external.
- Paraffin bath: 2
- Display: 20x4 JUMBO LCD display.
- Programmable Parameter: Program immersion time, Agitation Time, Startup delay, Wax Temperature, and Time, System can also Program as per tissue name and it can retrieve station location and process data required for a specific tissue.
- Container: 10 reagent containers and 2 wax baths.
- Password user Protection: Multilevel pass-code security protects instruments from unauthorized access.
- Display Parameter: 20x4 LCD shows multiple parameters in a single screen for all events throughout the process such as program no, vessels, remaining time, and start time, start delay, total duration of the program, spiral agitation, and Rotation, temperature of paraffin bath, date and time.

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