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Controlled Embryo Freezer Crysalys 9500 vet – Re.023876

User-programmability via touch-screen or computer.
Built in, light-weight lithium-ferrous battery UPS.
User-friendly graphic interface.
Alarm presets defineable by the user.
Supplied in Industrial strength case with wheels.



- Fully intuitive 5.7" color touch-screen operation
- Fully user-programmable through touch-screen or computer (PC)
- Onboard datalogging and archiving of every cycle to removable SD card
- USB interface for datalogging and programmability
- Ability to name each cycle with the donor name and information with onboard keyboard
- Automated full-system diagnostics
- Built-in lithium-ferrous UPS with smartcell technology offers complete power outage protection and/or portable operation - 3 hour autonomy. Allows freeze while in the car with or without 12V adapter
- Aux. 12 volt DC power input (optional)
- Worldwide mains voltage capable, 90-264VAC - No power adaptor required
- Concentric isothermic temperature exchange with Crysalys or retrofit 2-wire RTD cryochambers
- On-screen service prompts and power management indicators
- Fully intuitive
- 0.1°C resolution
- Autotuning PID parameters with DC proportional temperature control prevents EMF effects on specimens
- Unique heating chamber cycle to fully dry it for a longer lifespan



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| Capacity | 23 medium straws or 46 mini straws | Minimum temperature step size | 0.04°C |
| Controlled temperature range | +40°C to -80°C | Date/time stamp | Yes |
| Monitoring and recording range | +200°C to -200°C | User programmable from controller | Yes |
| Thermometry system | Platinum RTD (4 wire or 6 wire) | User programmable from computer | Yes (software supplied) |
| Temperature warning (onscreen or sound) | User-Definable from ±1.0°C to ±3.0°C | Download programs to computer | Yes |
| Temperature display & User Interface | 5.7" Color TFT LCD Touch Screen | Minutes remaining in program display | Yes |
| Accuracy (Thermometry) | ±0.1°C | User-definable bells and alerts | Yes |
| Temperature Control Resolution (A/D Conversion) | 0.05°C | Screen angle | 45 degrees |
| Timing | Digital, quartz crystal | Maximum duration of protocols | No limit (AC mode) |
| Minimum Ramp Rate | 0.1°C/min | Programs with Computer | |
| Dimensions (WxDxH) | 8" x 13" x 7" | Controller computer communication | USB 2.0 |
| Weight | 7 lbs /3.2 kgs | Maximum steps or ramps per protocol | 100 |
| Temperature Datalogger | Yes | Duration of protocols | No limit |
| Temperature range | +200°C to -200°C | Power consumption | Less than 60 Watts |
| Temperature resolution | 0.1°C | AC Mains Power input | 90-264V, 47 |
| Sampling rate | 10 per second | Auxiliary External Power input: | External 12VDC |
| Recording rate | 10 per minute | Internal Battery Backup Power (UPS) | 12.8VDC, 6.8Ah |
| Internal Protocols (User-Programmable) | | Continuous LN2 consumption | Less than 1 liter per hour |
| Maximum number of internal programs | 16 | Safe operating temperature range | +40°C to 0°C |
| Maximum steps or ramps per protocol | 100 | Safe storage temperature range | +50°C to -10°C |