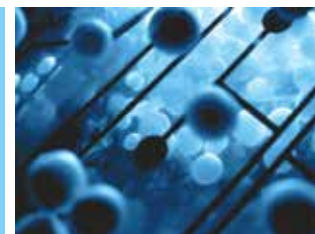


Innovative Technology to Improve the Quality of Human Life

SmartCryo™ Ultra Low Temp. Freezer with Smart-Lab™ Controller



ULT Freezer is evolving like your Smart Phone in hand, and Smart TV at home.

The SmartCryo™ ULT Freezer is the innovation of the freezers. It has been equipped with 7-inch full-touch screen controller and integrated the most extensively applied Android System and Internet Connectivity.

No Button. No Knob. Simply Touch!!

Full Touch Screen Controller and Internet Connectivity!!

The witeg Smart-Lab™ Controller is embedded in SmartCryo™ ULT Freezer, which has a lot of useful functions like self-diagnostic function, data recording function, and storage management function and so on.

These functions are unique and innovative in the laboratory equipments.

Also this controller is connected with researcher's smart phone, tablet or laptop computer through Internet, by WiFi, so scientists are able to check all the equipments in the laboratory at any time, and at any place.



Smart-Lab™ Controller

7 inch full touch screen TFT LCD Controller of "Intuitive Use"

Data Recording : On-Screen Temperature Chart and USB Storage for Recorded Data

Internet Connectivity with WiFi

Remote Monitoring and Control by WiRe™ Service

Storage Management function: Record the location of samples in the chamber and find easily afterwards, on screen

Self - Diagnostic Function : Automatic Check & Alarm for the Failures in Key parts

WiRe™ App & Web Service

Innovative Service by witeg Scientific based on Mobile and Web technology

Support all different kinds of Web browser by HTML5 Standards

Available in all the PCs, Laptops and MACs

Offering Android App and Apple iOS App for Smart phone and Tablet

Almost same UI as the Touch Screen Controller on the Equipment is available

Smart-Lab™ Controller of SmartCryo™ Ultra Low Temp. Freezer



- ① USB port:
Data backup and program update of the controller
- ② Display of Present Temperature
- ③ Graph of Recorded Temperature
- ④ Configuration Setting with other functionss
- ⑤ Display of Set Temperature
- ⑥ LED Lamps indicating the operation status
- ⑦ Offset Setting
- ⑧ Storage Function to note the sample information in the chamber
- ⑨ Start / Stop
- ⑩ LCO2 Injection

Features of Smart-Lab™ Controller



Main Display of Controller



Temperature Chart Display



Error Status Display



Storage Management Function



>> Ergonomic Screen Design

- 7" Full Touch Screen TFT LCD
- Intuitive User Interface
- No-extra Button, knob or Switch
- All the main Functions and Parameters are displayed on the Main Screen.
- Simple Touch to set the Temperature, Time and other Parameters.

>> Automatic Data Recording

- High Resolution Graphic Display.
- On-Screen Temperature Chart : Check the Temperature Record Graph on the Screen and could see the Details by Zoom-in & Zoom-out enabled at your finger tips.
- The Recorded Data could be transferred to PC by USB Memory.

>> Self Diagnostic Function

- Automatic Check & Alarm for Failures in Key Parts of the equipment.
- Real-time Notification of any Failure in the Equipment to the User(s), to the Service Man and to Supplier, through WiRe™ Service.
- Implemented by LIN and empowered by WiRe™ Service.

>> Storage Management Function

- Record the location of samples in the chamber and find easily afterwards, on screen.
- Possible to easily and safely manage the location of sample in the chamber.
- Anyone could notice sample's history due to it is possible to take memo of sample location.

>> Internet Connectivity with WiFi

- Internet Connectivity with WiFi
- WiRe™ App & Web Service : It is possible to monitor and control the SmartCryo™ ULT Freezer. through all smart phone, tablet on Web without restraint in time and place.

>> Eco-Friendly Green Freezer

- Dual SHFS™ models offer "Eco-mode", in which the freezer activates the two compressors by turns based on the preset period (8 to 99 days), after reaching down to the set temperature. This specially programmed operation results in dramatically lower energy consumption and much longer lifespan of the compressor.