

M505-CE

Cryostorage Controller

The M505CE is a microprocessor based cryostorage controller that records freezer temperatures and manages the LN₂ level of your freezers. We provide two versions of our controller, the M505CE for standard K-Series freezers and the side mounted M505CE-B for larger, circular K-Series freezers.

Components:

- **M506CE / M506CE-B:** Controller.
- **M507CE:** Wall Mounted PSU & Connection Unit.
- **M534CE:** Sensor Assembly (2x Thermocouples, 4x Thermistor Sensors, 2.7m in length).



M507CE



M506CE-B



Features:

- Displays current freezer temperature and level of Liquid Nitrogen.
- Filling is automatically initiated when LN₂ levels are too low and stopped the upper limit has been reached.
- Manual filling can be performed through the controls interface, or through our software.
- Four digit pin controlled access for opening the freezer lid or editing settings.
- Automatic de-fogging when opening and "quick chill" for fast temperature recovery on lid closure.
- Freezers can be simultaneously or sequentially filled by hard wiring controllers together.
- Filling can be scheduled for specific days or in every 24, 48 and 72 hours.
- Up to 20,000 temperature measurements and events can be stored in the controller's memory.
- All data captured by the freezer can be collected and stored through the PC interface.
- Our established design has been trusted internationally for over 20 years.

All of our products come protected with a **One Year** warranty.

M505-CE

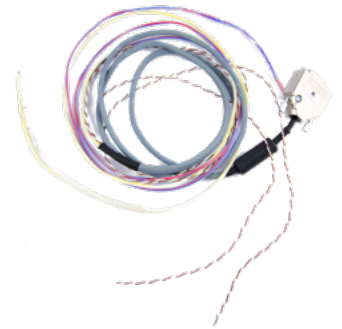
Upgrades & Add-ons

The M505-CE system is comprised of multiple components that can be purchased separately of the system. We also provide system upgrades and add-ons for improving your solution.

M541CE

A longer sensor assembly for larger freezers, consisting of:

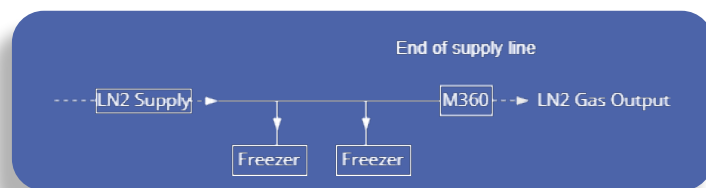
- 2x thermocouples.
- 4x thermistor sensors.
- 3.2m in length.



M360 Gas Bypass

The M360 Gas Bypass can be purchased alongside the M505 and is used to purge nitrogen gas from the LN2 supply line.

- Expells nitrogen gas from the LN2 supply line.
- Reduces LN2 consumption.
- Reduces ice build up.
- Prevents warm nitrogen gas being passed through the freezer.



PCB Upgrades

We offer PCB upgrades that can be installed into the M506CE, M506CE-B and M507CE.

- **M512CE:** Communicates with a PC via permanent wiring.
- **M517CE:** Provides six relay outputs to indicate various alarm conditions.
- **M511CE & M510CE:** Provides an output signal proportional to monitored temperature (4 to 20mA of voltage).
- **M547CE:** Gas bypass for individual freezers.