Infrico medcare

QUICK START GUIDE
DIGITAL PLUS CONTROLLER

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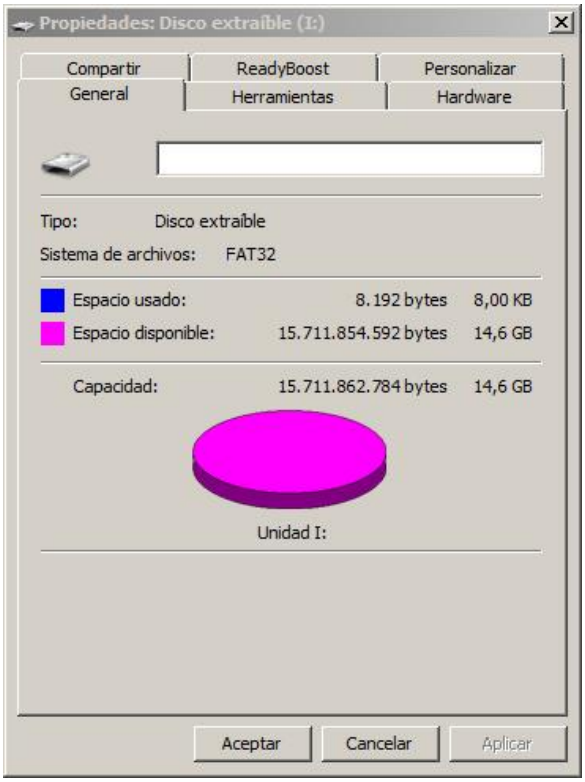
MAN-USB Guide-EN Revision: 00 30/12/2020

1 PRELIMINARY CONSIDERATIONS

The device only supports USB 2.0 flash drives (PENDRIVE). This unit must not be larger than 16 Gb. In the image you can see the difference between a USB 3.0 connector and a USB 2.0 connector. The USB 2.0 connector can be both white and black, while the USB 3.0 will always be blue.

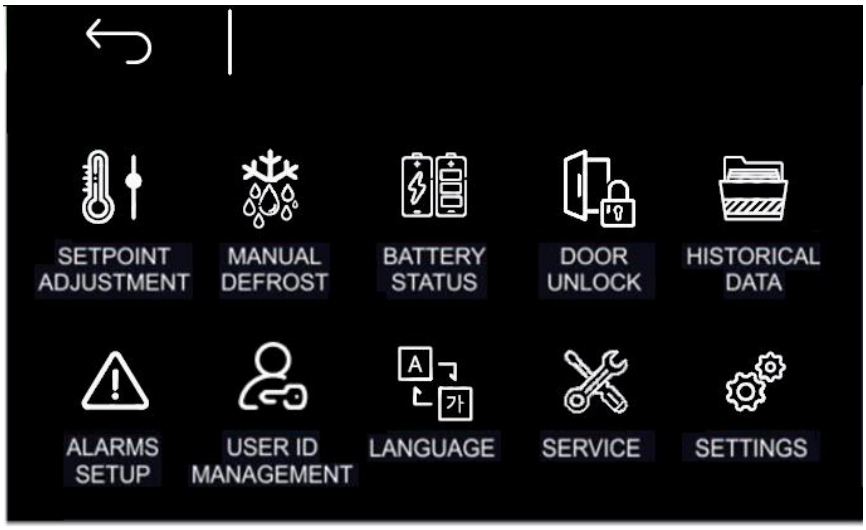


The pen drive file system must be FAT32. Any other file system will not be supported. To check the file system of the USB flash drive (PENDRIVE), connect the device to a PC (preferably WINDOWS), select the USB drive, and click the right mouse button. Then click on properties. In the window that will appear, it should appear that the file system is FAT32. If the file system is not correct, the download will fail, which may appear with the message “ERR” during the download, or the controller will perform the download, but when the USB Flash drive is inserted (PENDRIVE) on the PC, it doesn't show anything. It is recommended that the pendrive does not contain any type of previous data.

2 HISTORICAL SETUP

You may want to change what data you want to download to the USB Flash Drive (PENDRIVE). Follow the instructions below.

1. Press the icon to access the main MENU:



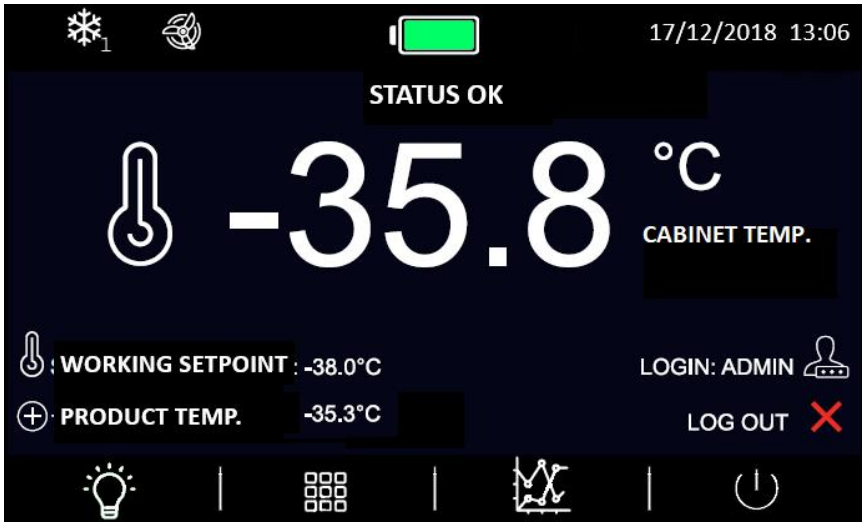
2. Once within the main menu, press the icon to access the "Alarms/Data History" submenu, which includes the following functions/screens:

3. Press the icon to show the screen that allows for selecting the input, output and status records. Note that, even if you keep some type of download disabled, it will remain registered on the computer, and you can download it later if you wish.

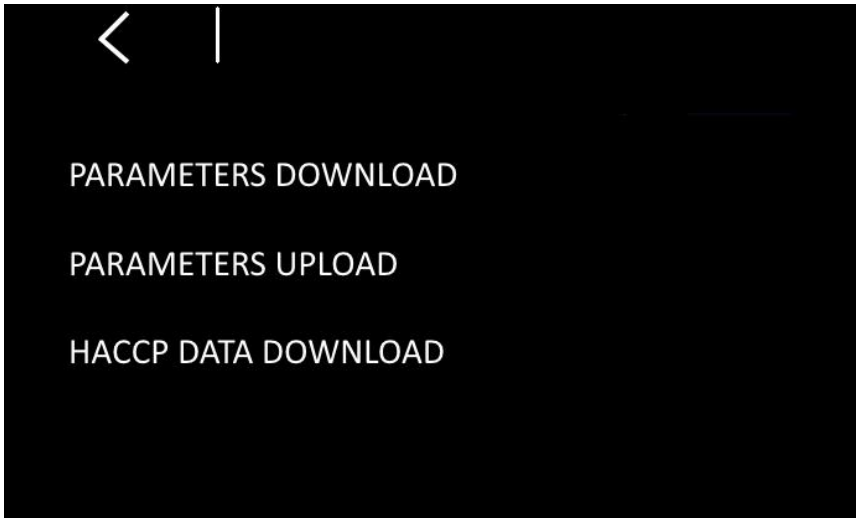
3 HISTORICAL DATA DOWNLOAD

Before downloading data, please see section 1 "PRELIMINARY CONSIDERATIONS". Then, follow the instructions below:

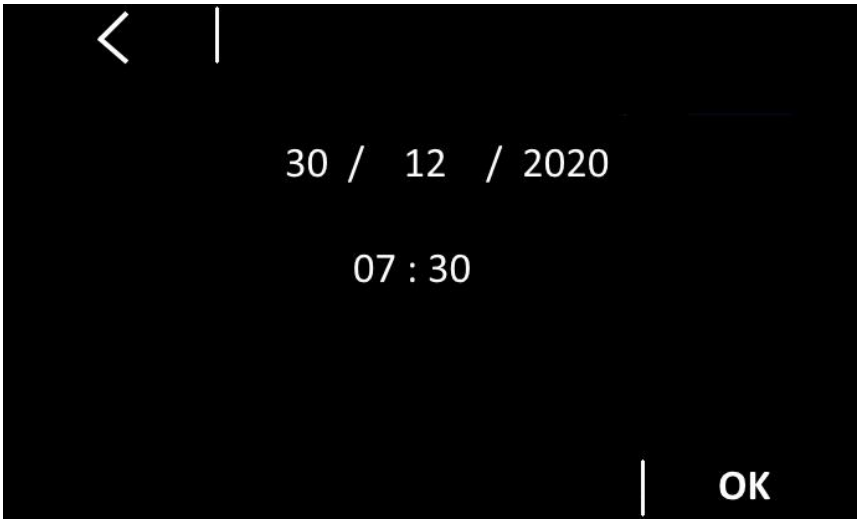
1. The equipment must be in 'ON' mode.



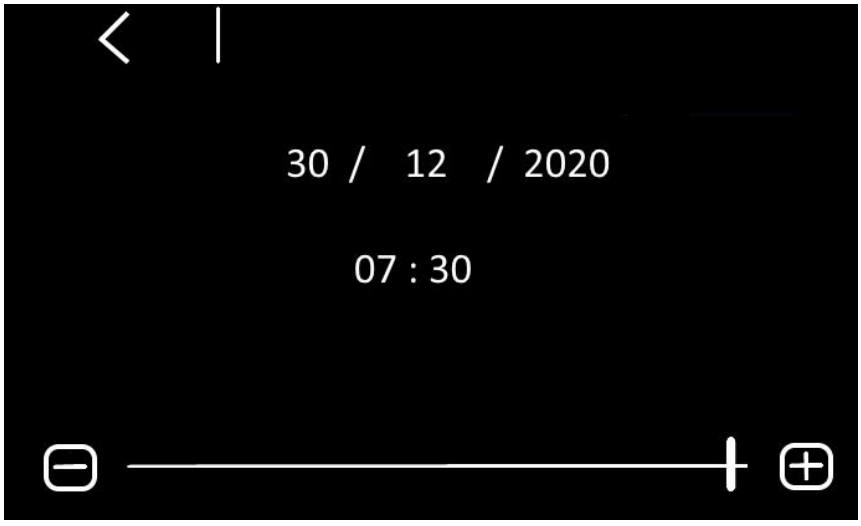
2. Insert the USB key (PENDRIVE) into the USB port. Once the USB key is inserted, the following screen will appear:



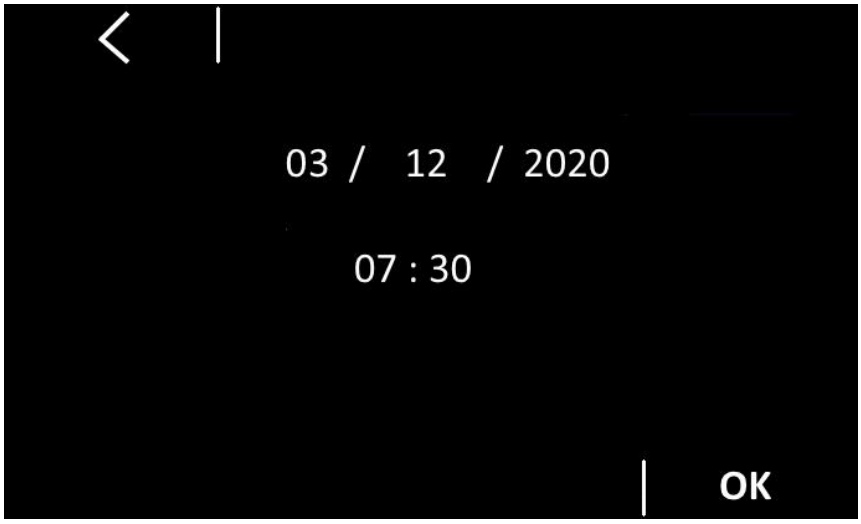
3. Select "HACCP DATA DOWNLOAD", and then the following screen will appear. In order to set the range of download, set the date/time from which you want to do the download (it will be between the date selected and the current date).



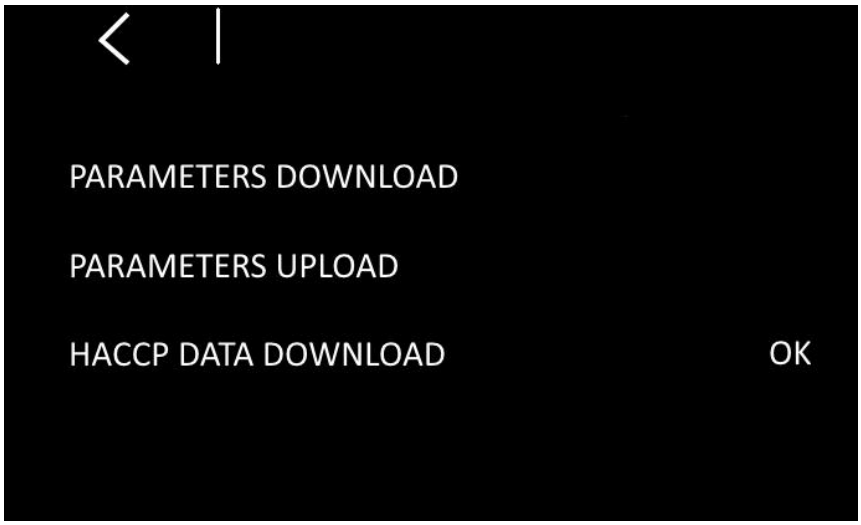
4. Press the day, month, year, hour, or minute to modify them. If we press on day field, for example, a lower bar will appear to modify the value. After modifying the value, we must press again on the field modified to accept the change.



5. Once the download range has been selected, click on OK to download the data.



6. Once OK is pressed, wait until the following screen appears and remove the USB Flash Drive (PENDRIVE) from the device.



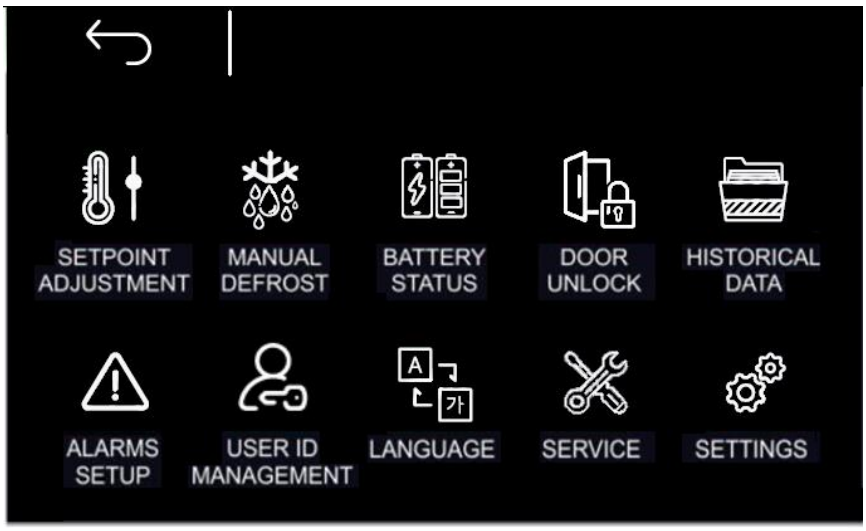
7. A file called “storico.csv” will be created on the USB Flash drive (PENDRIVE), which can be opened with any spreadsheet software (Microsoft Excel, Libre office CALC, Google Spreadsheets, etc.).

4 HISTORICAL DELETE

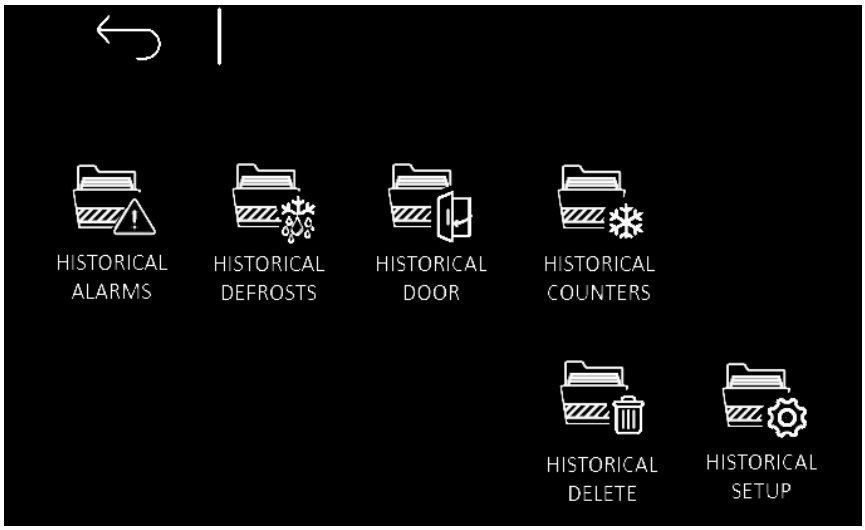
WARNING: Once the data are deleted from the computer, it cannot be recovered. Please, make a backup copy before deletion.

You may want to delete the data stored on your computer. To do this, follow the instructions below:

1. Press the icon to access the main MENU:



2. Once within the main menu, press the icon to access the "Alarms/Data History" submenu, which includes the following functions/screens:



3. Press “HISTORICAL DELETE” icon and select the data you want to delete. Press OK to confirm. If password is required, please, introduce 4598 and press OK.

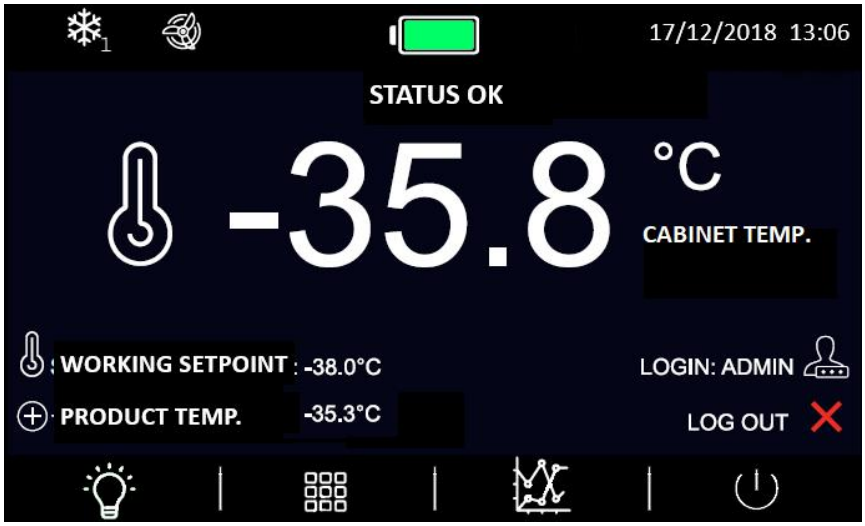
5 PARAMETERS UPLOAD / DOWNLOAD

5.1 Parameters download

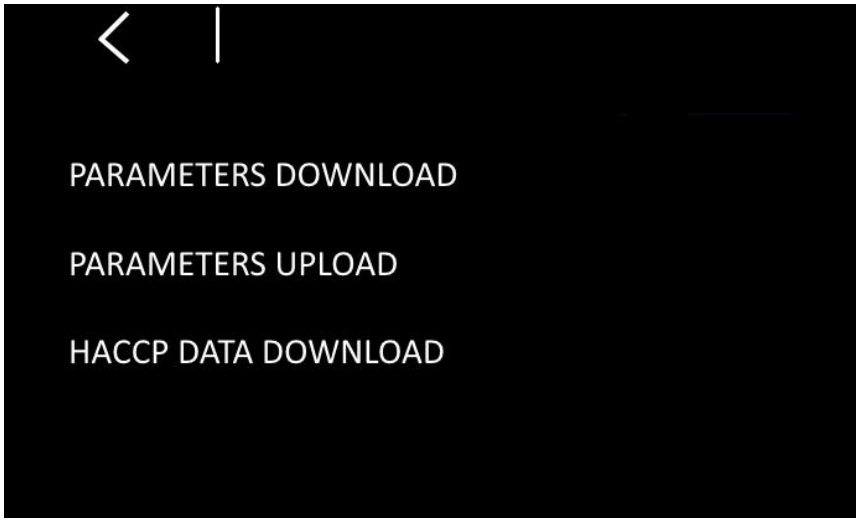
WARNING: Only carry out this process at the request of the technical service and under supervision. It is not recommended to perform this process without technical service supervision as it could damage the equipment.

Parameters download is the process of copying parameters from the equipment to a USB Flash (PENDRIVE). Before downloading parameters, please see section 1 "PRELIMINARY CONSIDERATIONS". Then, follow the instructions below:

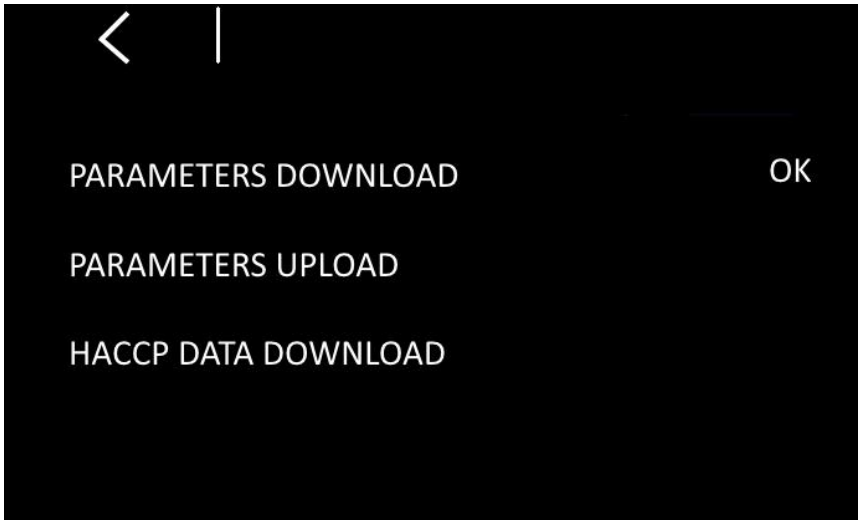
1. The equipment must be in 'ON' mode.



2. Insert the USB key (PENDRIVE) into the USB port. Once the USB key is inserted, the following screen will appear:



3. Select “PARAMETERS DOWNLOAD” and wait until “OK” message will be displayed. After “OK” message, remove the USB key.



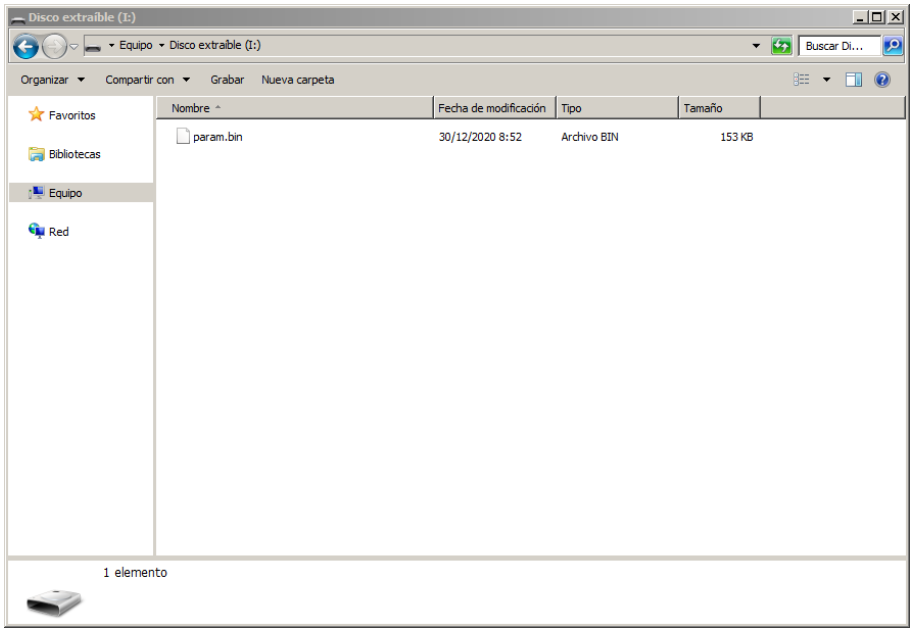
4. A file called “param.bin” will be created on the USB Flash drive (PENDRIVE). Please, send this file to the technical support in order to check the device performance.

5.2 Parameters upload

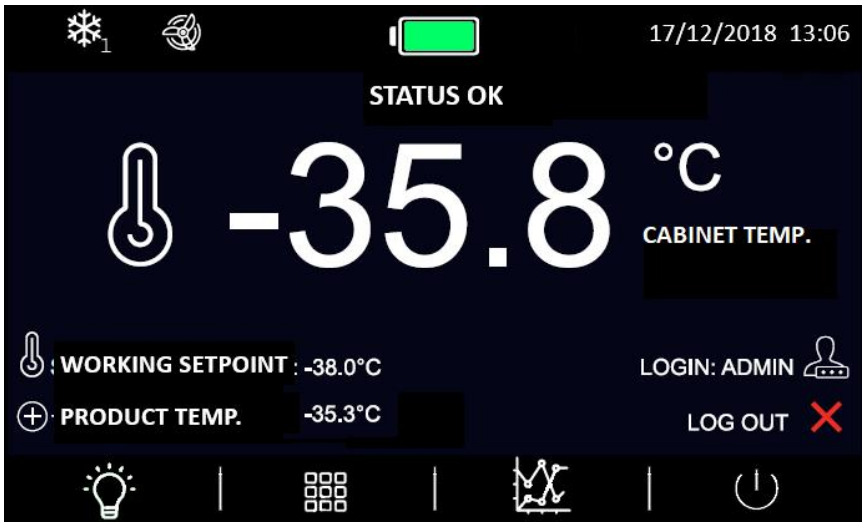
WARNING: Only carry out this process at the request of the technical service and under supervision. It is not recommended to perform this process without technical service supervision as it could damage the equipment.

Parameters upload is the process of copying parameters from a USB Flash (PENDRIVE) to the equipment. Before uploading parameters, please see section 1 "PRELIMINARY CONSIDERATIONS". Then, follow the instructions below:

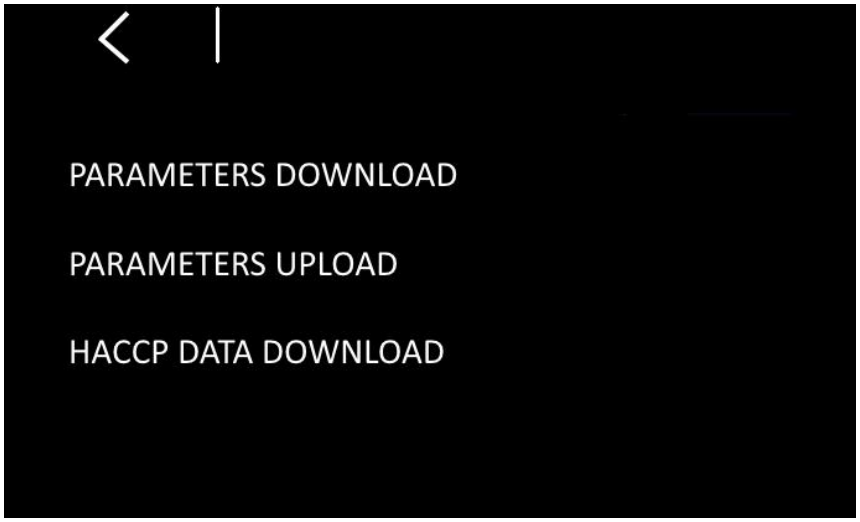
1. Copy the file “param.bin” in a USB Flash (PENDRIVE). Make sure the file “param.bin” will be the only one file in the USB Flash. This file must be in the root of the PENDRIVE as shown in the image below.



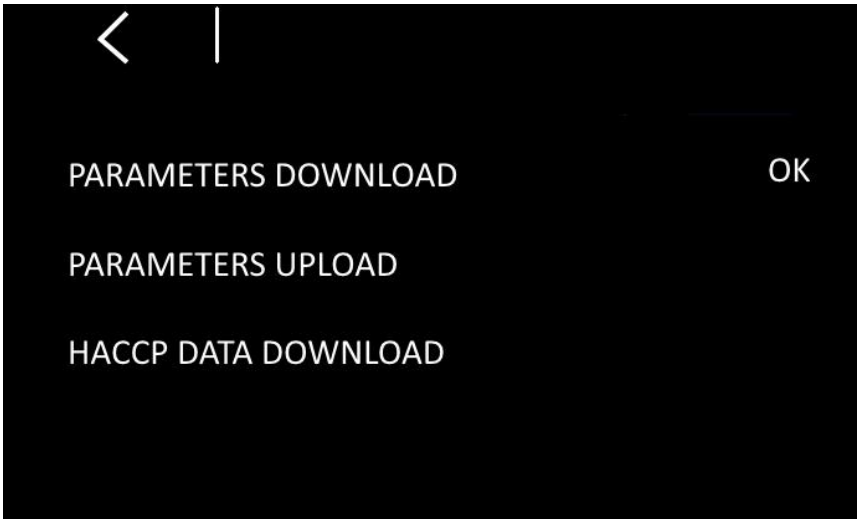
2. The equipment must be in 'ON' mode.



3. Insert the USB key (PENDRIVE) into the USB port. Once the USB key is inserted, the following screen will appear:



4. Select “PARAMETERS UPLOAD” and wait until “OK” message will be displayed. After “OK” message, remove the USB key.



5. Once the parameters are uploaded, it is needed to restart the equipment. Disconnect the battery and the power supply. Wait at least 10 seconds and reconnect the power supply and connect the battery. It is very important to do this process in the order indicated.

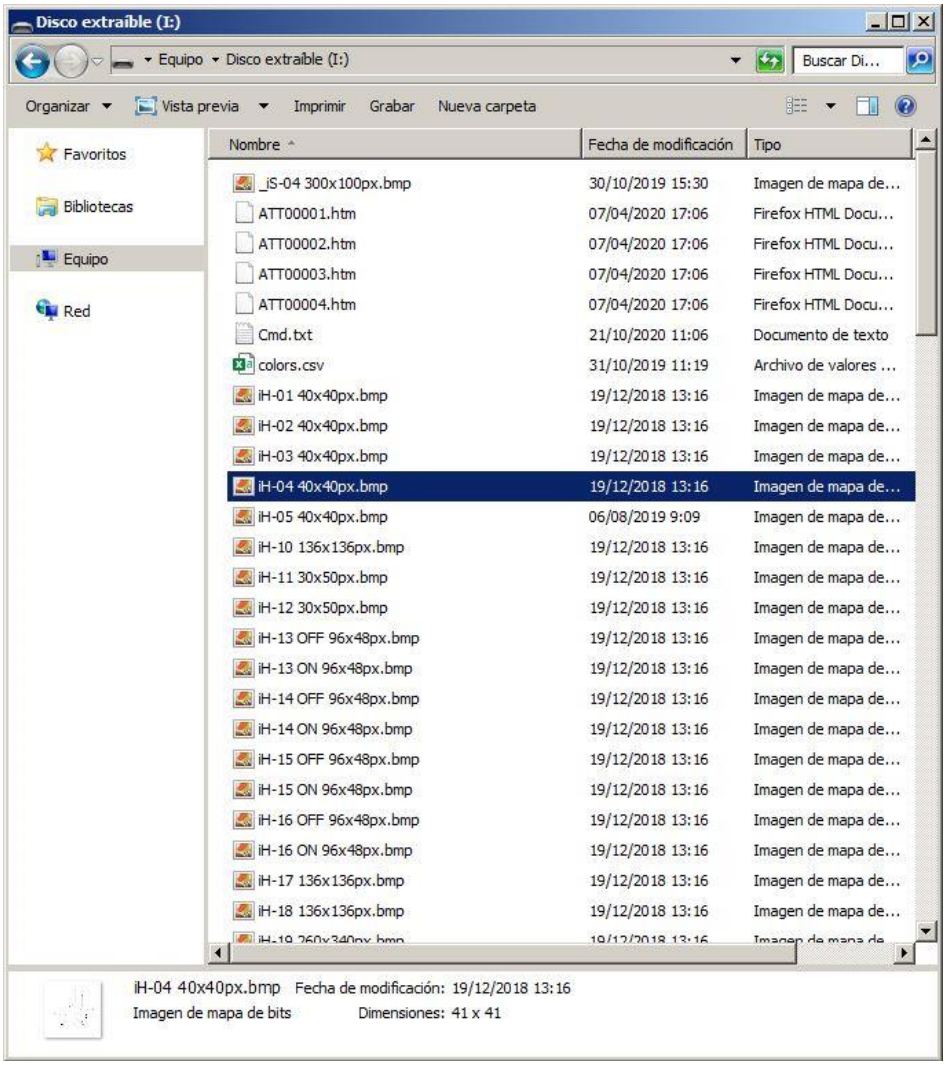
6 FIRMWARE UPDATE

WARNING: Only carry out this process at the request of the technical service and under supervision. It is not recommended to perform this process without technical service supervision as it could damage the equipment.

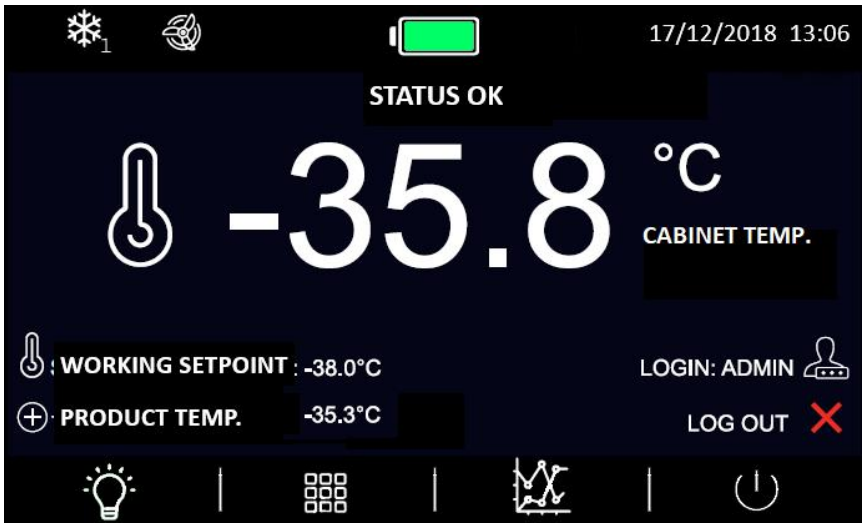
WARNING: Do not disconnect under no circumstances during this process. The equipment could become unusable.

Firmware update is the process of updating the controller software. This update can be to correct bugs, add functionalities and / or modify the computer's frontend. Before firmware updating, please see section 1 "PRELIMINARY CONSIDERATIONS". Then, follow the instructions below:

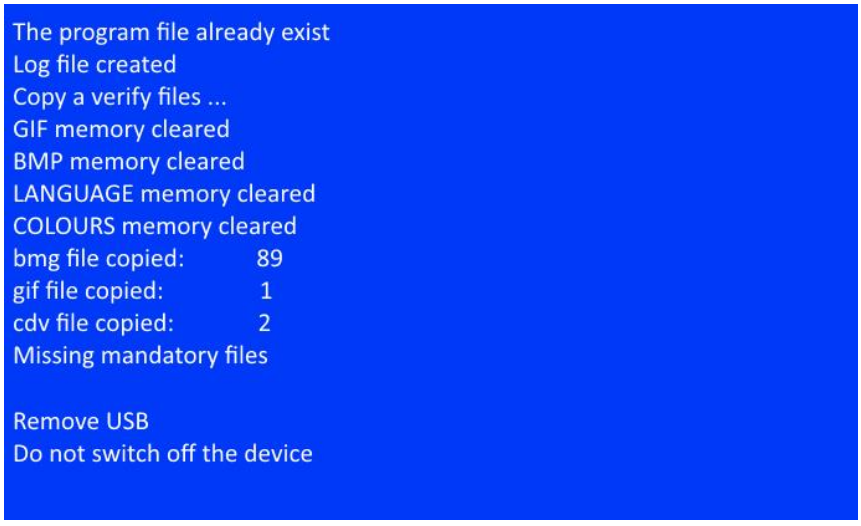
1. Unzip the file in the root of the USB Flash (PENDRIVE). It must seem like picture below:



2. The equipment must be in 'ON' mode.



3. Once the file is unzipped and the Equipment is in “ON” mode, Insert the USB key (PENDRIVE) into the USB port. Once the USB key is inserted, it should appear the following BLUE screen. Wait until the message “REMOVE USB” will be displayed. Then, remove the USB key and wait until the equipment will be restarted.



7 TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
The data download file is empty	There is no data yet on the equipment	Wait a few hours in order to the equipment records data
	The data of the Equipment are corrupt	The data registered in the equipment must be deleted → Historical delete
	The download range is not valid	Select a data download start date before the data download end date
No data download file is created	The file system is not correct	Format USB Flash Drive (PENDRIVE) in FAT32 file system
	USB Flash is incompatible	Make sure the USB Flash Drive (PENDRIVE) is 2.0 and not more than 16 Gb of storage. If it meets the specifications, try with another USB Flash.
The USB Flash is not recognized by the equipment	Inserting process of the USB flash drive (PENDRIVE) into the USB port was too fast.	Insert the USB flash drive (PENDRIVE) slowly.
After firmware update, some icons do not appear	The firmware file was not completed	Repeat the process completely and / or request the firmware files from the technical service again.
ERR message is displayed in upload/download parameters and data download processes	The file system is not correct	Format USB Flash Drive (PENDRIVE) in FAT32 file system
	USB Flash is incompatible	Make sure the USB Flash Drive (PENDRIVE) is 2.0 and not more than 16 Gb of storage. If it meets the specifications, try with another USB Flash.
When trying firmware update, upload/download parameters and data download screen is displayed	The files were not inserted correctly in the USB Flash	Format USB Flash Drive (PENDRIVE) in FAT32 file system and upload the files again.
	The file system is not correct	Format USB Flash Drive (PENDRIVE) in FAT32 file system
	USB Flash is incompatible	Make sure the USB Flash Drive (PENDRIVE) is 2.0 and not more than 16 Gb of storage. If it meets the specifications, try with another USB Flash.

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