

EPOCA

User manual:
Professional solution for the
remote management of
refrigerated units and
food equipment

- | Cloud platform with Wi-Fi connection
- | Free of charge
- | Ready to use
- | Easy to install solution
- | Remote unit configuration
- | Protected multi-unit and multi-user access
- | Responsive design



IMPORTANT

Read this document thoroughly before installation and before use of the device and follow all recommendations; keep this document with the device for future consultation.
Only use the device in the way described in this document; do not use the same as a safety device



CONSIDER THE ENVIRONMENT

Please read carefully and save this document

Index

Introduction	5
Operating diagram - example	6
Home page	7
Heading	7
Operation area	9
Configuration and monitoring functions	10
Real time	11
Service	11
Programs	12
Alarms	12
Parameters	13
History	14
Graph	15

Introduction

EPOCA is a remote monitoring system based on a cloud platform which meets the needs of the food preservation and cooking sector, from refrigerated units to food equipment.

All that is needed is a simple onsite Wi-Fi internet connection to enable controllers, using **Wi-Fi modules**, to connect to the cloud system, making it possible to remotely manage equipment from a PC, tablet or smartphone.

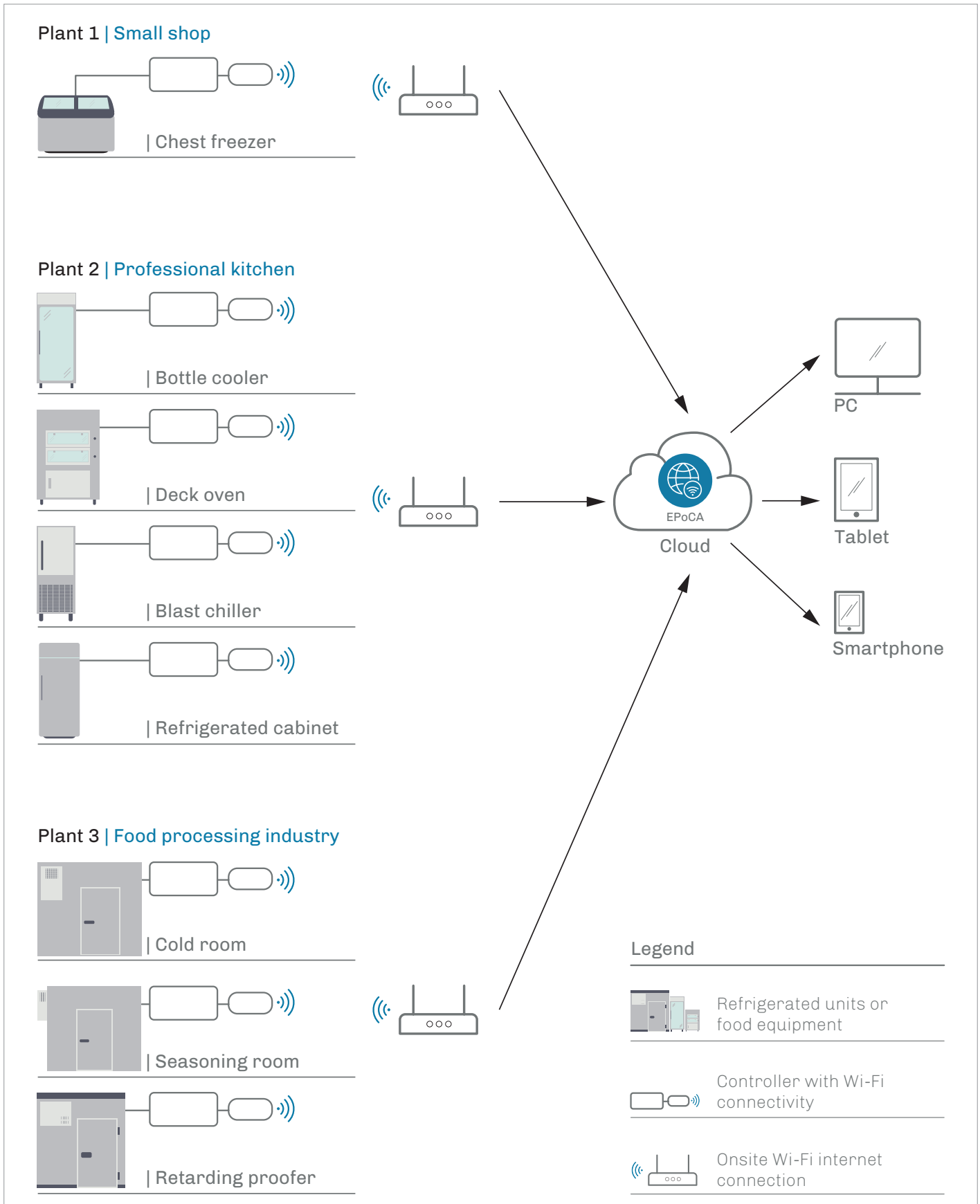
The responsive design and the graphic interface conceived to provide a pleasant user experience make **EPOCA** a ready-to-use solution for easily accessible monitoring operations, even for entry-level users, while offering all the typical functions of professional platforms.

With appropriate protection measures for access and data, the system makes it possible for one or more enabled users to operate remotely on the unit to configure its parameters, view HACCP data (also in graphic form) and to download records in the most popular formats, such as XLSX, CSV and PDF.

The functions playing a key role include alarm warnings sent automatically by the system to selected e-mail addresses.



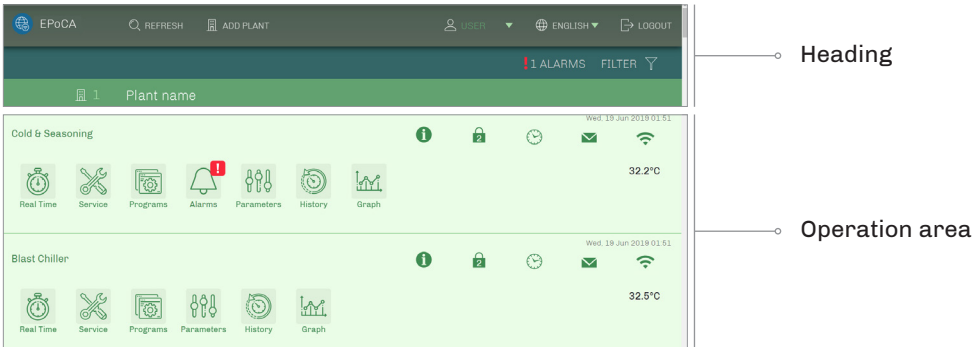
Operating diagram - example



Home page

From your EPoCA account, you are entitled to remotely view the status of all the units associated to your account, provided that they are switched on and the internet connectivity is working.

Below is an example of what the EPoCA home page will display:



Heading

Operation area

Heading



Heading

Below is an overview of the functions available on the home page heading

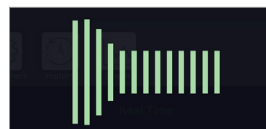
Setting



Go to home page



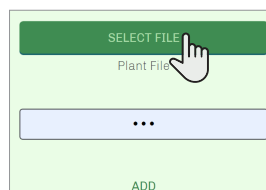
Upgrade the status and discover new units



Loading...

Add new plants

You can add further plants in your EPoCA account, simply by uploading the new "plant file" available after Wi-Fi configuration



 USER  **User Name**

The “*Settings*” menu includes the following functions:




- Rename the plant
- Delete plants and units
- Download plant files

The “*Account*” menu includes the following functions:

- Add/delete email accounts as recipients of messages and alerts
- Set the type of messages the recipients shall receive

The “*Alarm*” menu includes the following functions:

- Enable/disable plants/units to send alerts on real time events
- Enable/disable/delay off-line alerts

	Settings
	Account
	Alarms

Status




OFFLINE Number of offline units

FILTER  **Filter by unit name**

You can choose to display the desired unit through this filter

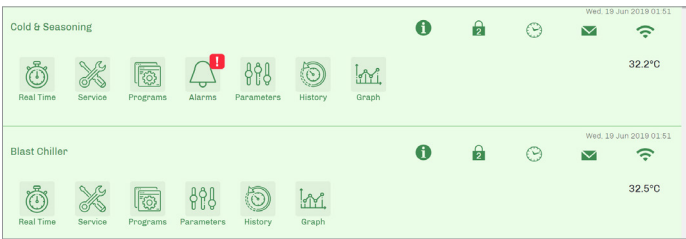
! 1 ALARMS Alarm underway

To view where the alarm is occurring, press on this button

 **3** Number of connected units in the plant

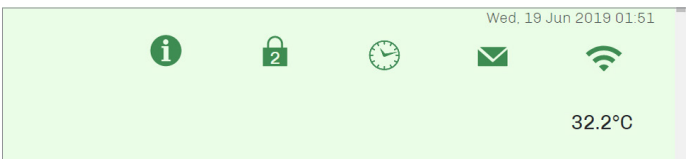
Plant Plant name

Operation area



This area shows all the unit configuration and monitoring options available to users

General info and configuration



This area includes info and general configuration functions



Unit parameter map

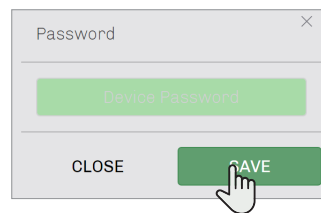
This area shows an overview of the unit parameters and settings. It is a read-only area available also in off-line mode

Manual			
PAR.	DEF.	PARAMETERS	MIN..MAX
P0	1	Probes Type	0 - 3 0 = PTC + SI 1 = NTC + SI 2 = PTC + SHT 3 = NTC + SHT



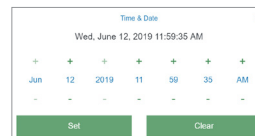
Set unit access level

This area gives the possibility to modify your unit access level, provided you enter the unit password



Set unit time and date

This area enables users to adjust unit time and date



Notification status

This area shows whether the unit is set for sending alerts to your email account



Wi-Fi signal range

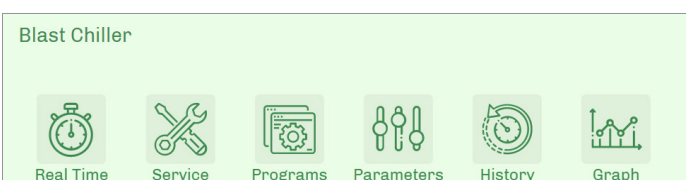
This area shows the range of the Wi-Fi signal



Main unit value

This area shows the unit most significant value (usually temperature) currently detected

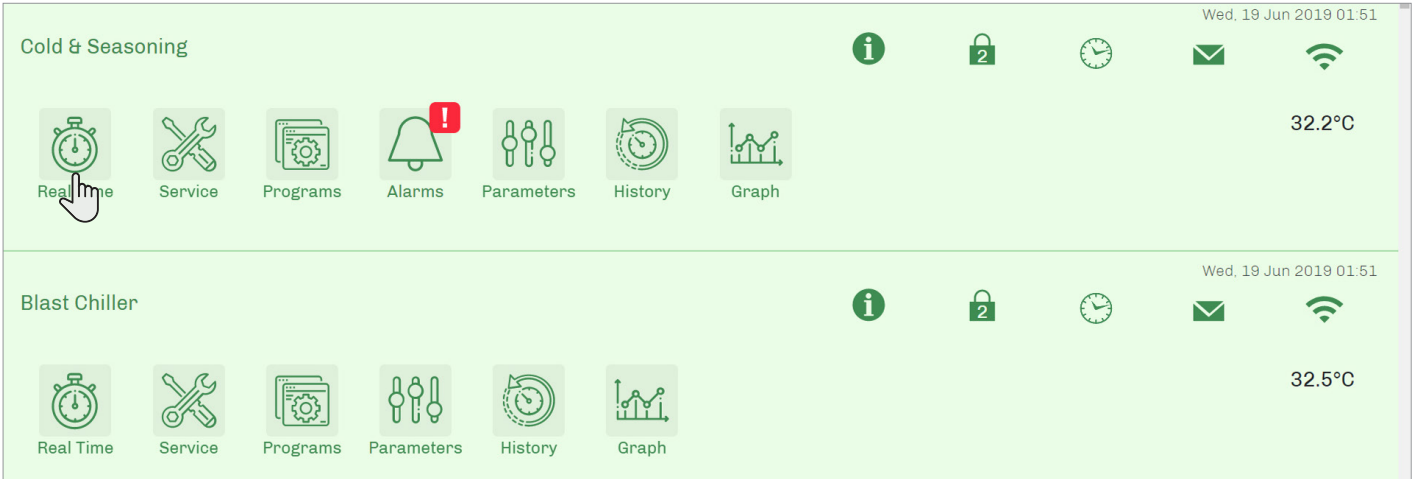
Unit configuration and monitoring



This is the main working area with a function menu for each unit. For more details see the following chapter "Configuration and monitoring functions"

Configuration and monitoring functions

This area shows all the connected units listed with their own names under the plant they belong to. Each unit has its own menu for remote configuration and monitoring functions and the user can perform operations according to his personal access level.



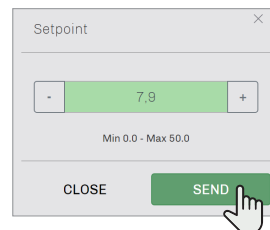
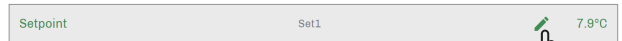
When menus include values which can be modified by the user, they are marked by the following symbol:



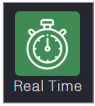
Pencil

When this symbol is displayed and active, the relative value can be modified by the user

You can change the setup by entering/selecting the desired value and confirming on the SEND button



Real time



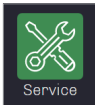
Real time

This menu gives an overview of the main current data of the unit and enables users to modify some of the setups.

Real Time		
Regulation Probe	Preg	8.3°C
Energy Saving	ESAV	Inactive
Regulation Output	orEG	Inactive
Defrost Status	SdEF	Inactive
Door	door	Closed
Active Alarm	ALAR	Inactive
Defrost Command	cDfr	---

Description	Code	Value
↓ Regulation Probe	↓ Preg	↓ 8.3°C

Service



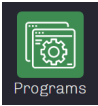
Service

This menu gives a more comprehensive overview of the device current data and enables users to modify some of the setups.

Service		
Regulation Probe	Preg	7.4°C
Humidity Probe	Pb2	56.5%
Configurable Probe	Pb3	5.7°C
Working Setpoint	rSEt	7.9°C
Energy Saving	ESAV	Inactive
Overcooling/Overheating	Ovrc	Inactive
Door	door	Closed

Description	Code	Value
↓ Regulation Probe	↓ Preg	↓ 7.4°C

Programs



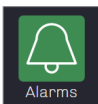
Programs

This menu enables the user to modify the working programs available in the unit. All the values can be edited as needed. Should the unit support the remote cycle start/stop function, a dedicated field will be available within this menu.

Programs		
Dripping Time	tdrp	10h
Core Temperature	tCor	30.0°C
Dripping Setpoint	Set1	20.0°C
Dripping Humidity Setpoint	Set2	0%
Low Speed Fans In Dripping	Fan2	No
Rest Function In Dripping	Rest	No
Drying 1		

Description	Code	Value
Dripping Time	tdrp	10h

Alarms



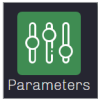
Alarms

This menu will be displayed in the unit "operation area" only when an alarm is in progress. To view which alarm is occurring, enter this menu.

Alarms		
Auxiliary Probe Alarm	Pr3	Active

Description	Code	Status
Auxiliary Probe Alarm	Pr3	Active

Parameters



Parameters

This menu gives access to the complete list of the unit parameters. All the values can be modified by authorized users to set up the unit as needed.

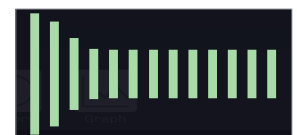
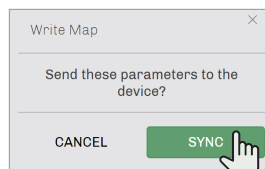
Parameters			
Parameters		Current	Modified
Cabinet Probe Offset	CA1	0.2°	0.2°
Humidity Probe Offset	CA2	2%	2%
Auxiliary Probe Offset	CA3	0.1°	0.1°
Probe Type	P0	NTC	NTC
Enable °C Decimal Point	P1	Yes	Yes

Description	Code	Current	Modified
Cabinet Probe Offset	CA1	0.2°	0.2°



Upgrade

All the values modified in this menu will be sent to the unit only after you press this button



Data are being transferred to the unit



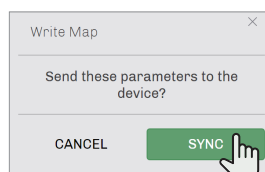
Other functions for parameters menu

Some additional functions are available on the menu top area



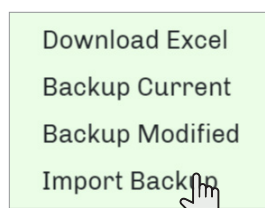
Number of modified values - Sync

The button displays the number of modified values. By pressing on the "SYNC" button, all the new setups will be sent to the unit

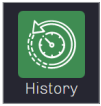


Export data

- This area enables the user to:
- download the parameter map in Excel format
 - save current/modified parameter in a backup file
 - import the backup file into another compatible unit



History



History

This menu enables the user to display the historical recordings in a table form. Time interval and values to be displayed can be freely filtered by the user. If an alarm occurred in the selected interval time, the table row will be displayed in red colour.

SET DATE

Show

☰

Search:

Date	Regulation Probe°C	Humidity Probe%	Configurable Probe	Compressor	Defrost Output	Alarms
2019-06-10 00:00:00	7.4	58.5	6.5	Inactive		
2019-06-10 00:05:00	8.3	75.6	6.6	Active		
2019-06-10 00:10:00	7.9	71.9	7.7	Inactive		

Procedure to select the table



When you enter the "history" menu, this window will pop up

Choose Interval
✕

From

Up To

CLOSE
FILTER

○ Select the start date

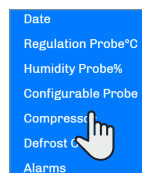
○ Select the end date

○ Select filter to view the history table

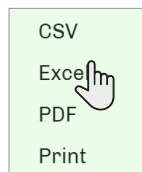
Once the table is displayed, other functions are available:

SET DATE You can choose a different time interval for your table

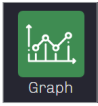
Show You can choose what values you want to display in your table



☰ You can select different formats for exporting or printing your table file

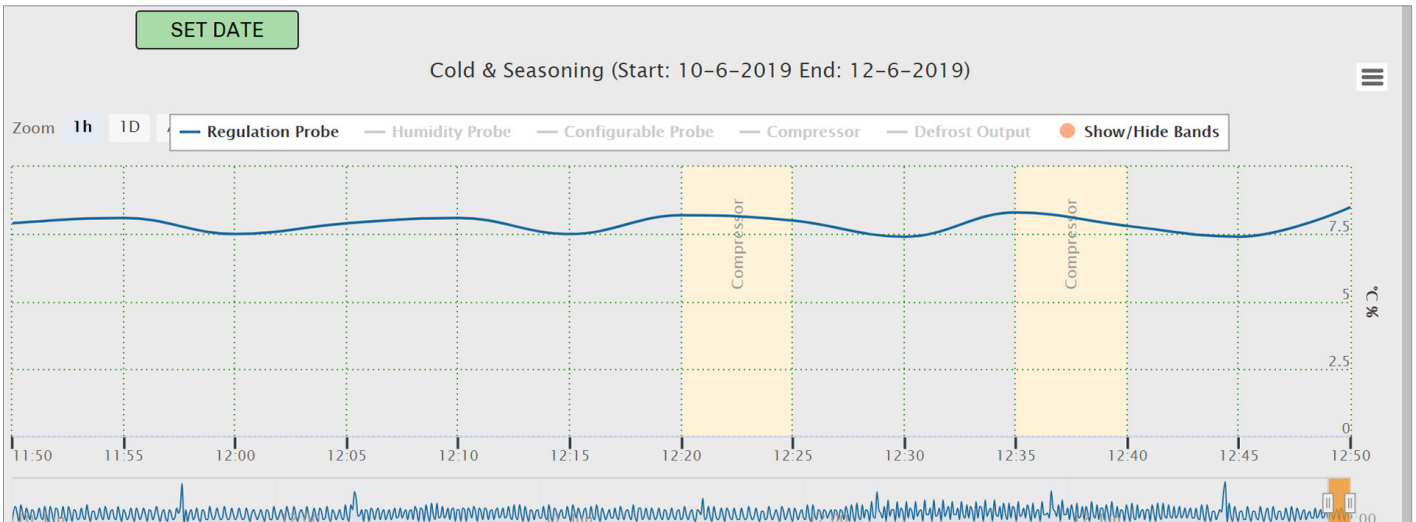


Graph



Graph

This menu enables the user to display the historical recordings in a graph form. Time interval and values to be displayed can be freely filtered by the user. If an alarm occurred in the selected interval time, the area will be displayed in red colour.



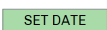
Procedure to select the graph



When you enter the "graph" menu, this window will pop up

- Select the start date
- Select the end date
- Select filter to view the history graph

Once the graph is displayed, other functions are available



You can choose a different time interval for your graph

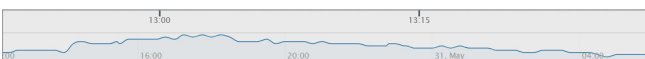


You can view your graph in a full-screen mode and you can select different formats for exporting or printing your graph file

- View in full screen
- Print chart
- Download PNG image
- Download JPEG image
- Download PDF document
- Download SVG vector image



You can choose what values you want to display in your graph simply by selecting/deselecting the desired values



By positioning the selector on the graph line, you can display the value record in a specific time

