RW14
email sending function… and more

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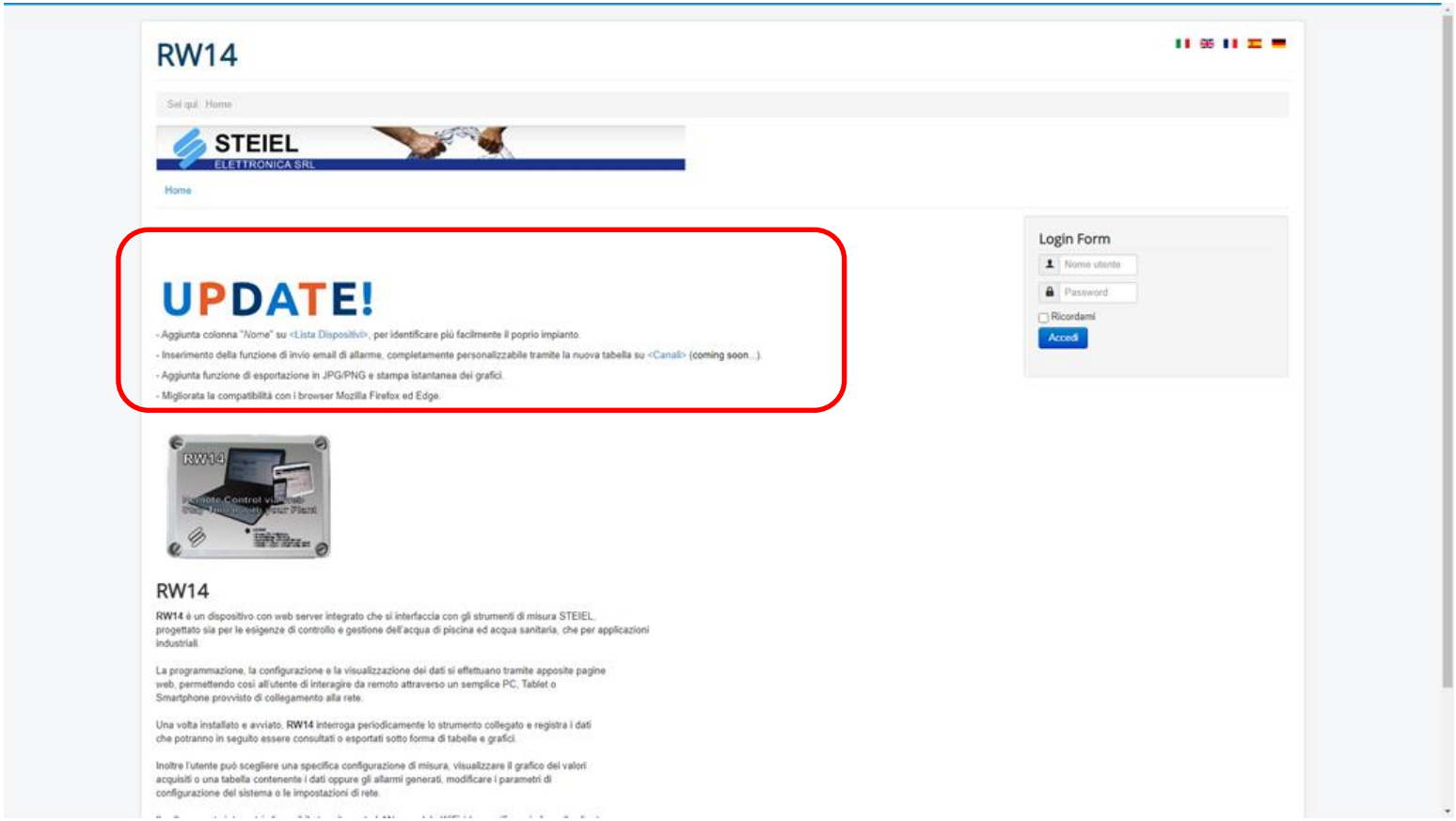
- ✓ Introduction to RW14 program updating
- ✓ Email sending
- ✓ Graphical visualization
- ✓ Definition of acceptability fields
- ✓ Printing of graphics
- ✓ Exporting reports and alarms

Warning! The RW14 starts working with updates!



The R&D team has improved and expanded the functions of the RW14 remote control system.

Work is still in progress and further development steps have been planned, however we decided to anticipate the functions already implemented, in order to immediately meet the main improvement needs.

Starting from Friday 16 April 2021 the following functions are active:

- ❑ E-mail sending upon malfunctioning of the connected equipment
- ❑ Printing of (multi-channel and / or single channel) graphics to printer, PDF file or PNG image file
- ❑ Exporting recorded data to Excel file

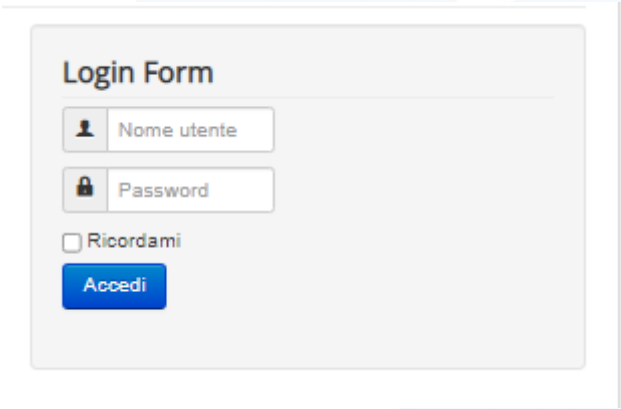
Quick instruction guide

For those users who already know and operate the RW14 system, here below are some quick instructions, to learn the new implemented functions.

The example refers to an EF300 control unit, with three measurement inputs (channels): pH – Chlorine – Temperature

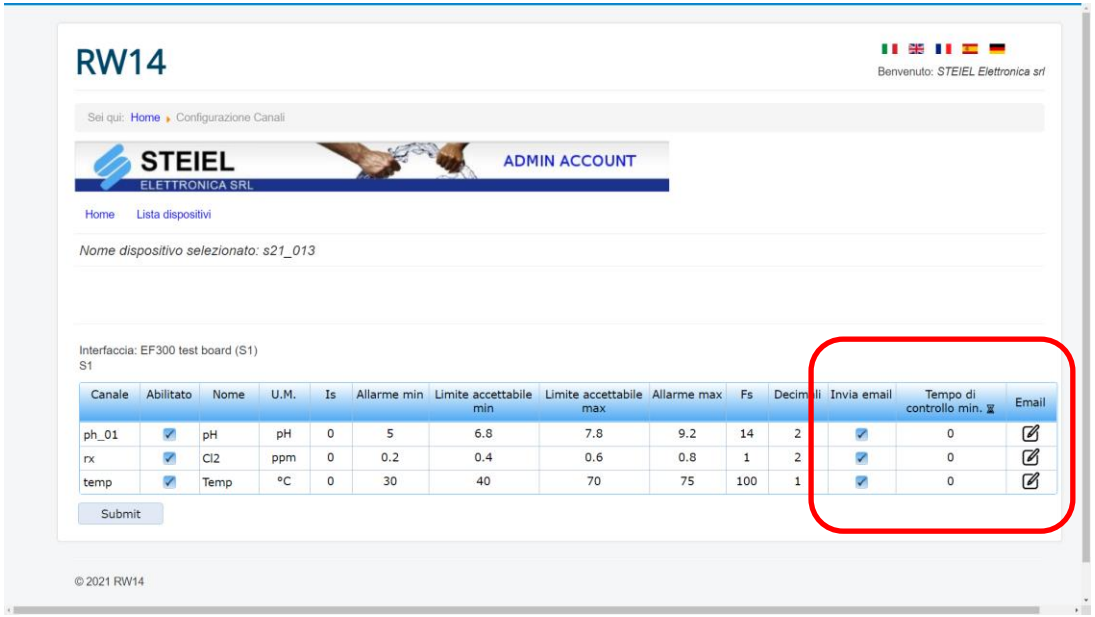
Login

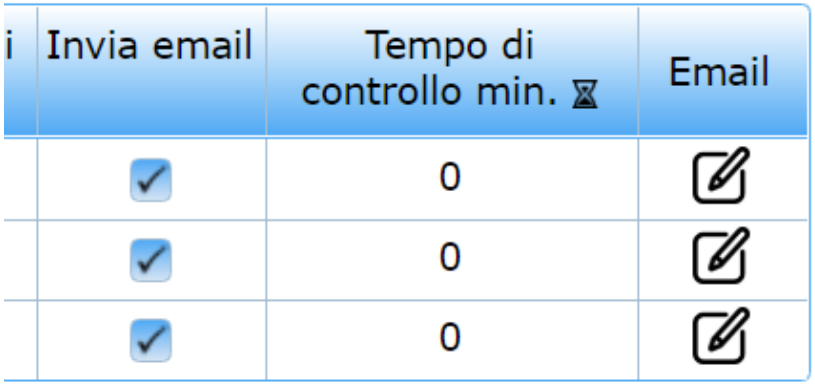
Authorization Levels		
Super technician	**Technician**	**User**
Email	Email	
Export data/graphics	Export data/graphics	Export data/graphics
Print data/graphics	Print data/graphics	Print data/graphics



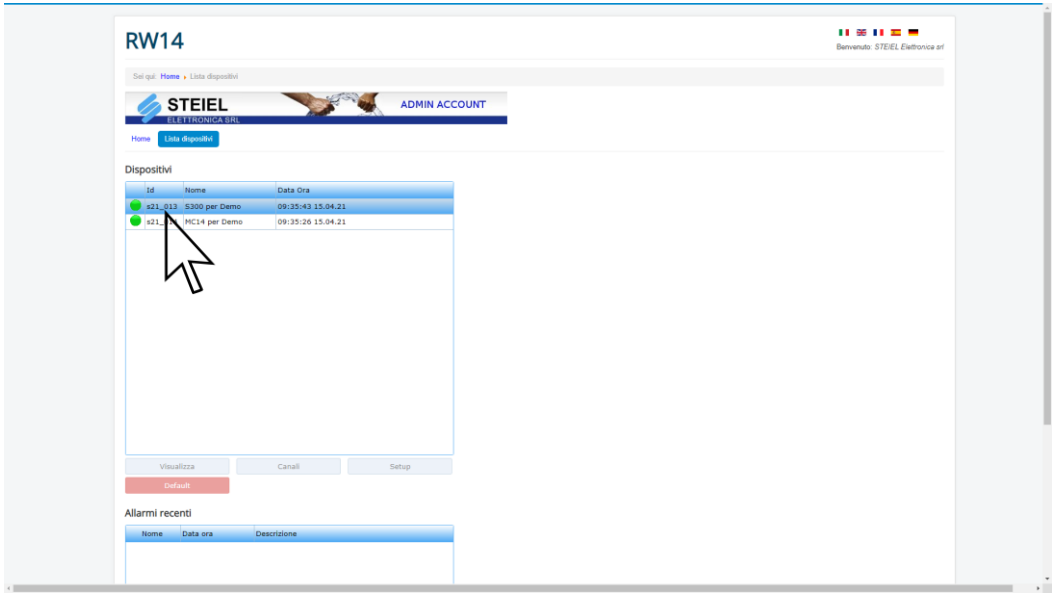
How to use the email sending functions

How to use the email sending functions

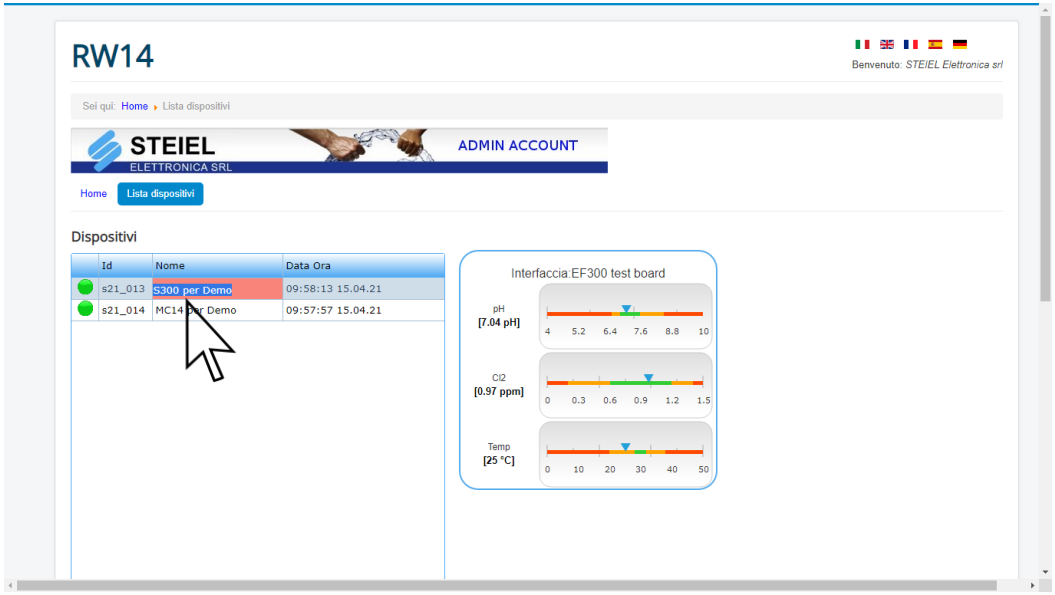




How to use the email sending functions



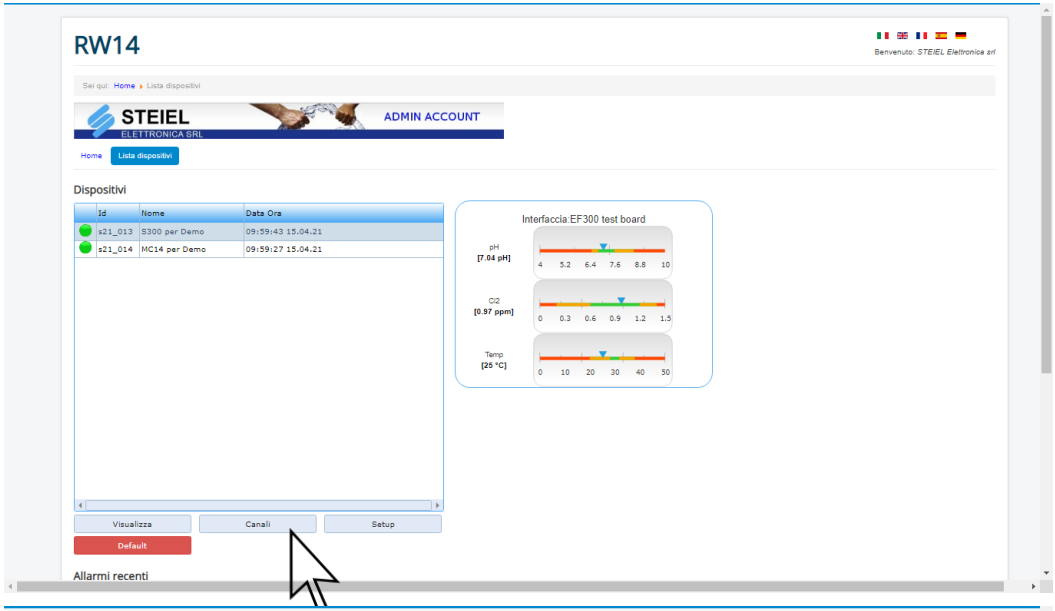
Select the instrument from the drop-down menu on the homepage

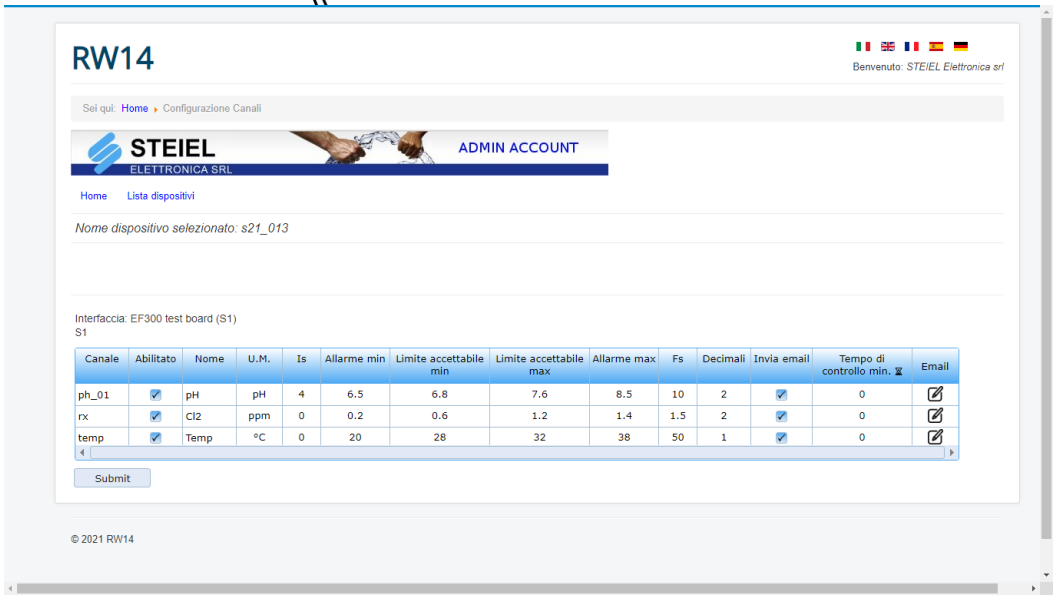


Remember that the device name is an editable field, and you can enter the desired instrument name.

This will also allow to clearly label the email messages.

How to use the email sending functions





Channels

Open this window to set:

- ✓ Channel consent
- ✓ Visualization functions
- ✓ Email sending functions

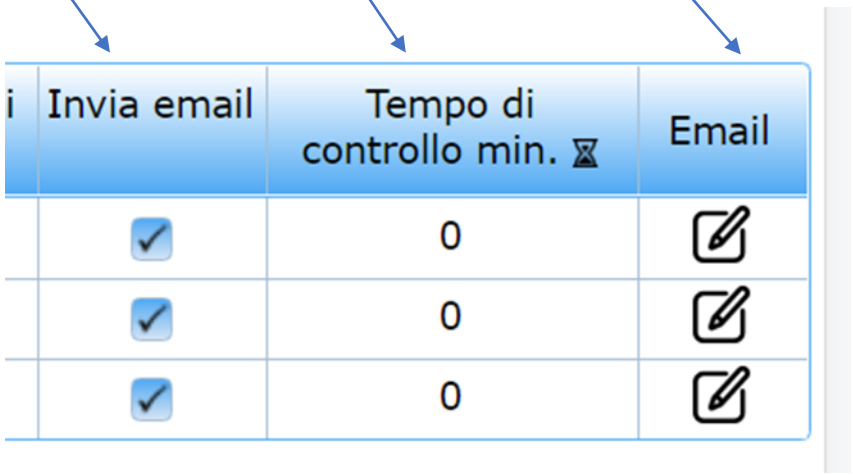
i	Invia email	Tempo di controllo min. ⧗	Email
	☑	0	✎
	☑	0	✎
	☑	0	✎

How to use the email sending functions

Enable the email sending function for the specific channel

The email sending can be delayed, and aborted if the alarm condition disappears within the set time

This field allows to set:
- Addresses for email sending
- Text of the message to be sent



How to use the email sending functions

Which conditions trigger the email sending?

Each measurement channel is defined by two fields, to be correctly set

Interfaccia: EF300 test board (S1)
S1

Canale	Abilitato	Nome	U.M.	Is	Allarme min	Limite accettabile min	Limite accettabile max	Allarme max
ph_01	✓	pH	pH	4	6.5	6.8	7.6	8.5
rx	✓	Cl2	ppm	0	0.2	0.6	1.2	1.4
temp	✓	Temp	°C	0	20	28	32	38

Submit

Email messages are sent when the Alarm Min & Max values are exceeded.

An alert email is sent upon a shutdown of at least 15 minutes and at each start-up / reboot of the device

How to use the email sending functions

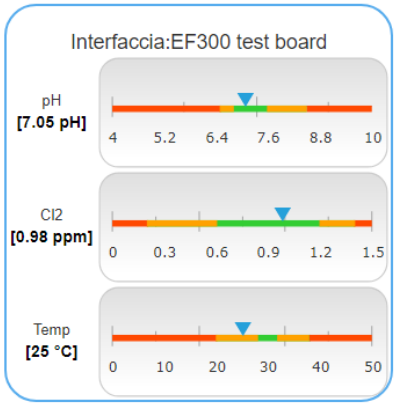
The Min and Max Alarm fields are editable

Interfaccia: EF300 test board (S1)
S1

Canale	Abilitato	Nome	U.M.	Is	Allarme min	Limite accettabile min	Limite accettabile max	Allarme max
ph_01	✓	pH	pH	4	6.5	6.8	7.6	8.5
rx	✓	Cl2	ppm	0	0.2	0.6	1.2	1.4
temp	✓	Temp	°C	0	20	28	32	38

Submit

Their intervention range are **highlighted in red** in the graphic visualization



How to use the email sending functions

Interfaccia: EF300 test board (S1)
S1

Canale	Abilitato	Nome	U.M.	Is	Allarme min	Limite accettabile min	Limite accettabile max	Allarme max
ph_01	☑	pH	pH	4	6.5	6.8	7.6	8.5
rx	☑	Cl2	ppm	0	0.2	0.6	1.2	1.4
temp	☑	Temp	°C	0	20	28	32	38

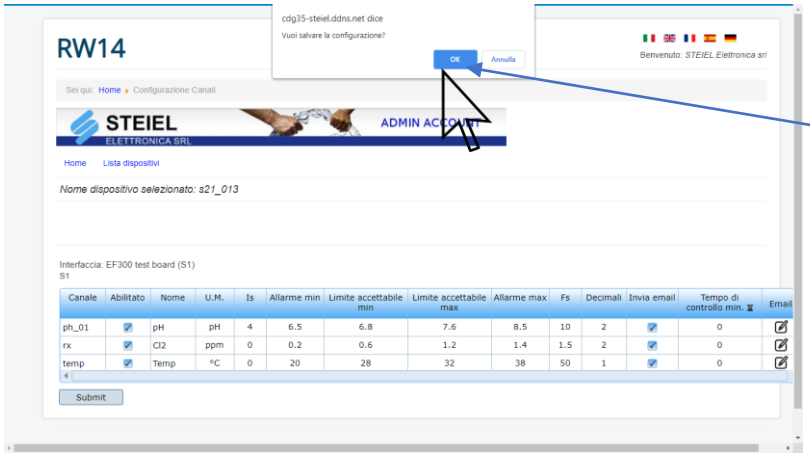
Submit

Submit

Never forget to confirm data modification:

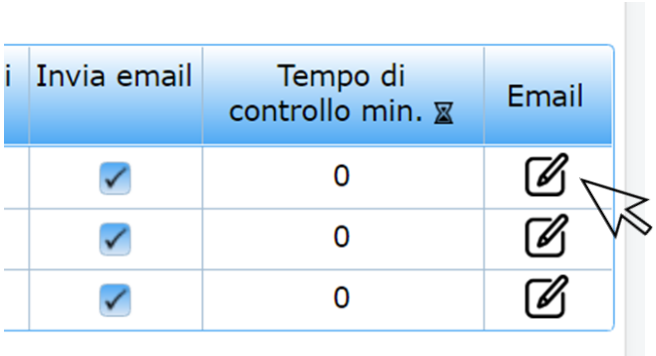
1 – Click on “Submit”

2 – Click on “OK” in the top window



OK

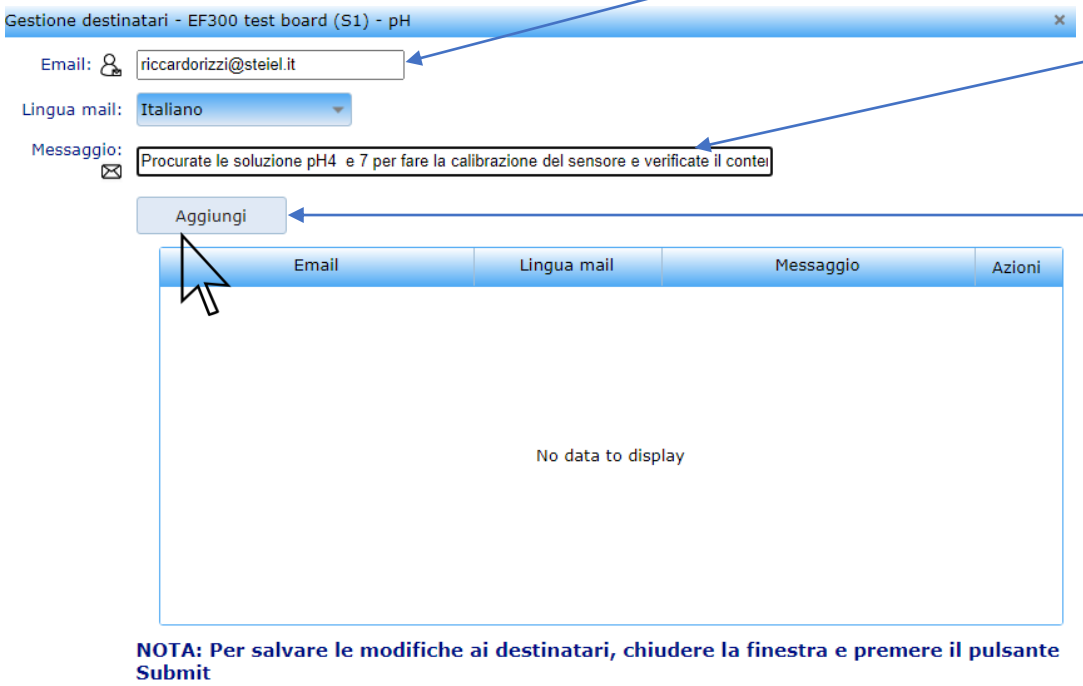
How to use the email sending functions



Enter the email address

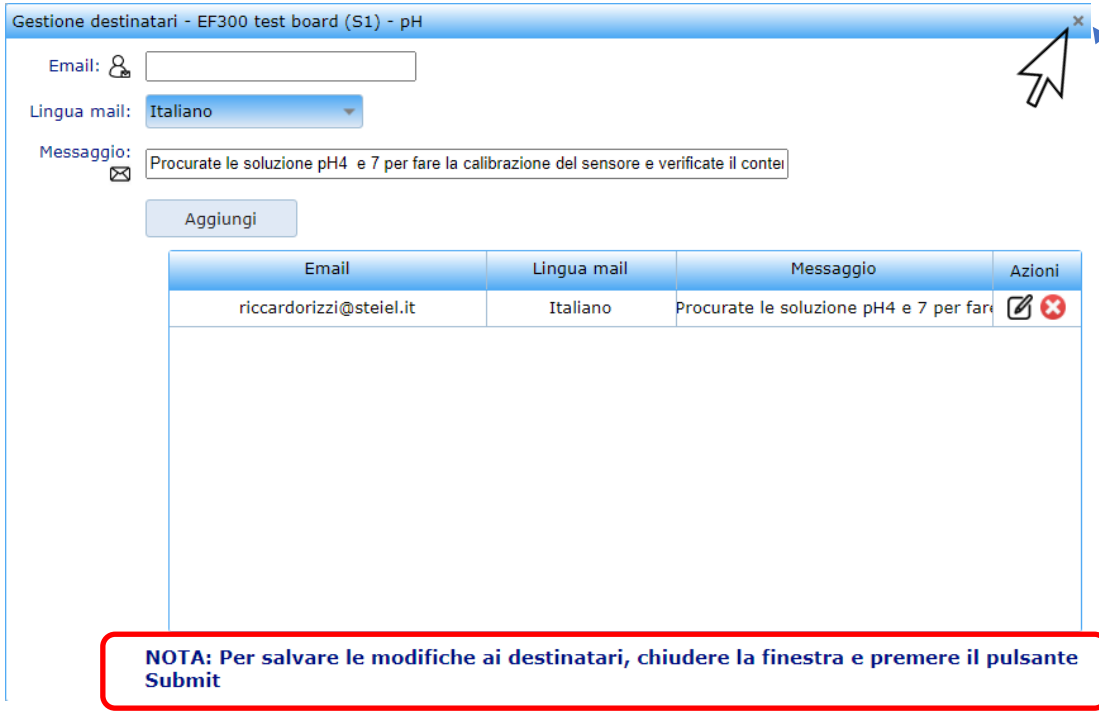
Enter the text to be sent

Add to the list

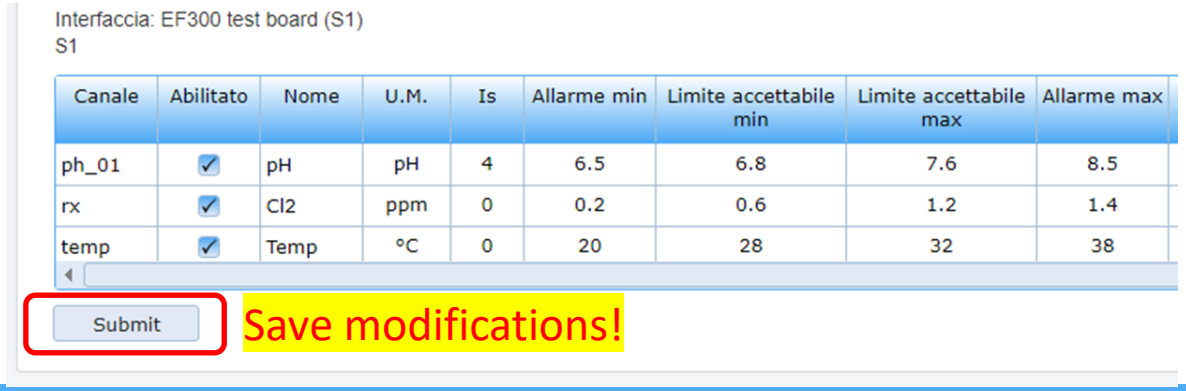


How to use the email sending functions

Once the email address list is completed…

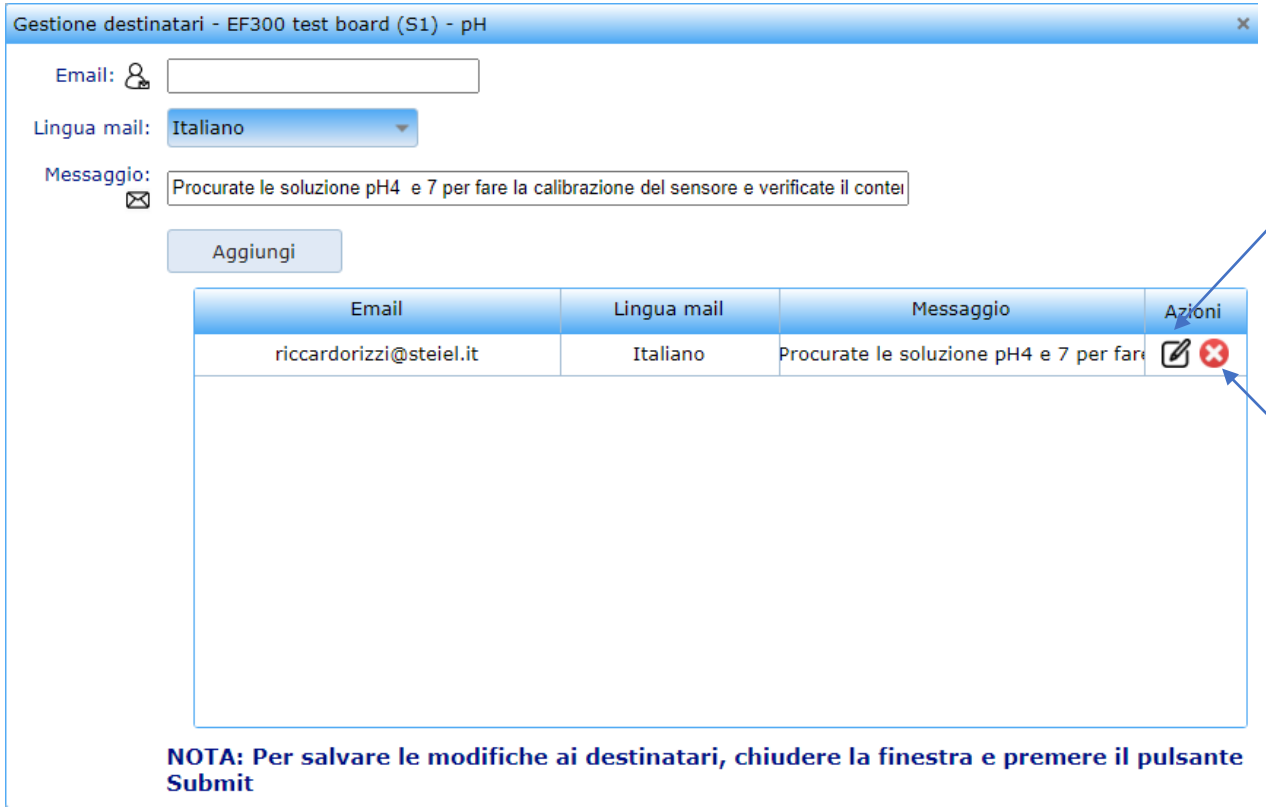


… close the window



Save modifications!

How to use the email sending functions



If necessary, you can modify the message text

Each address can be removed at any time

- ✓ There is no limit to the number of email addresses / recipients
- ✓ You can set a different, personalized message for each recipient

How to use the email sending functions

The sender email address is: **alarm-service@rw14.it**

S300 for Demo (s21_013) EF300 test board - Alarm! pH exceeds MAX limit

1
Automatic message (do not reply). Event date: 2021-04-15 11:59:13 (LOCAL)
Device: S300 for Demo (s21_013)
Instrument: EF300
Name: EF300 test board (S1)
Event type: Alarm! pH exceeds MAX limit

2
Reading: 9.21 pH
Alarms: MIN = 6.5 pH - MAX = 8.5 pH

3
NOTE: Get pH4 and pH7 solutions to perform sensor calibration; check the acid tank content

1) Info about the device which generated the email sending
2) Info about the alarm cause (measurement channel and related limits)
3) Personalized message for the email recipient

How to use the email sending functions

An email message is sent even when the alarm condition disappears

S300 for Demo (s21_013) EF300 test board - MAX pH alarm deactivated

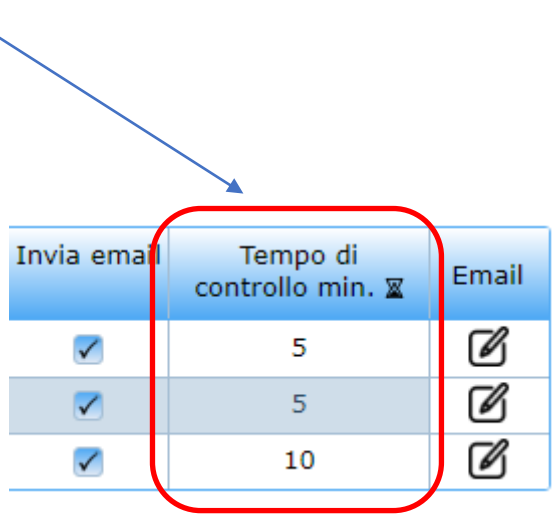
Automatic message (do not reply). Event date: 2021-04-15 11:13:43 (LOCAL)
Device: S300 for Demo (s21_013)
Instrument: EF300
Name: EF300 test board (S1)
Event type: MAX pH alarm deactivated
Reading : 6.99 pH
Alarms: MIN = 6.5 pH - MAX = 8.5 pH

NOTE: Get pH4 and pH7 solutions to perform sensor calibration; check the acid tank content

How to use the email sending functions

Do not forget that you can set a control (delay) time for alarm events

The email message will be sent only if the alarm condition is still active after the set time has been elapsed



How to use the email sending functions

If operations are interrupted due to unpowered device for more than 15 minutes, a message as the following one will be sent:

Test on S300 (s21_013) - Alarm! Device not connected

Automatic message (do not reply).
Event date: 2021-04-13 18:04:20 (LOCAL)
Device: Test on SS300 (s21_013)
Event type: Device is not connected

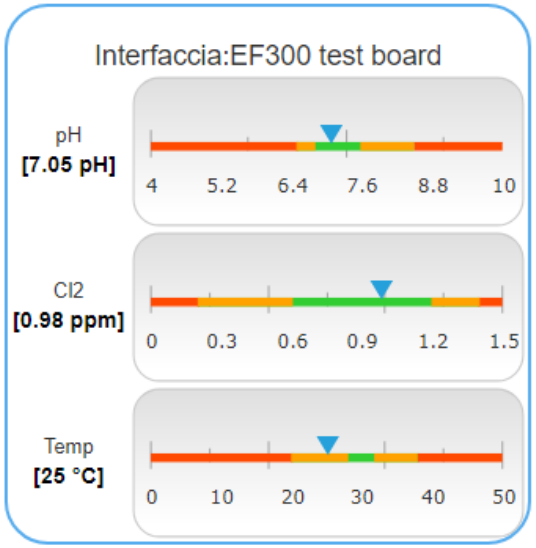
When operations are resumed after a device shutdown, a message as the following one will be sent:

Test on S300 (s21_013) - Device reconnected

Automatic message (do not reply).
Event date: 2021-04-12 15:00:19 (LOCAL)
Device: Test on S300 (s21_013)
Event type: Device reconnected

Range – Limits – Alarms

Canale	Abilitato	Nome	U.M.	Is	Allarme min	Limite accettabile min	Limite accettabile max	Allarme max	Fs	Decimali
ph_01	✓	pH	pH	4	6.5	6.8	7.6	8.5	10	2
rx	✓	Cl2	ppm	0	0.2	0.6	1.2	1.4	1.5	2
temp	✓	Temp	°C	0	20	28	32	38	50	1

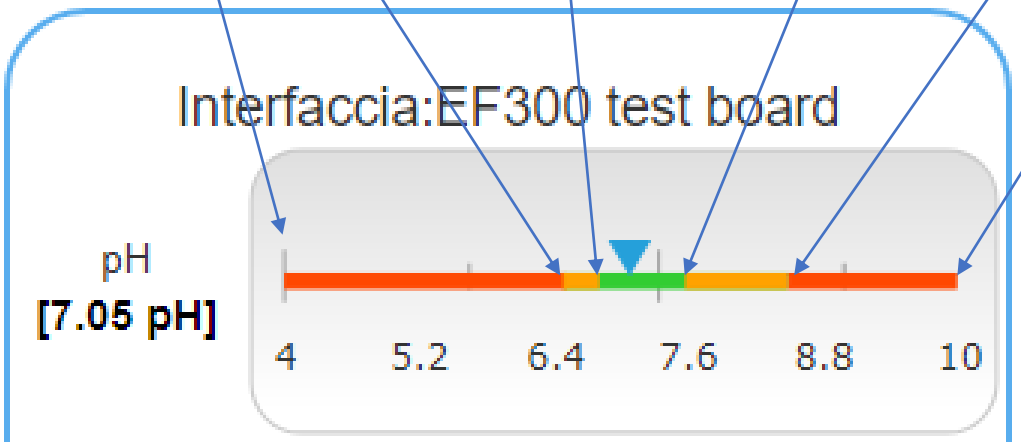


Range – Limits – Alarms

Graphic visualization depends on the parameters entered in the channel page table

A narrow interval improves the data reading in a normal working range

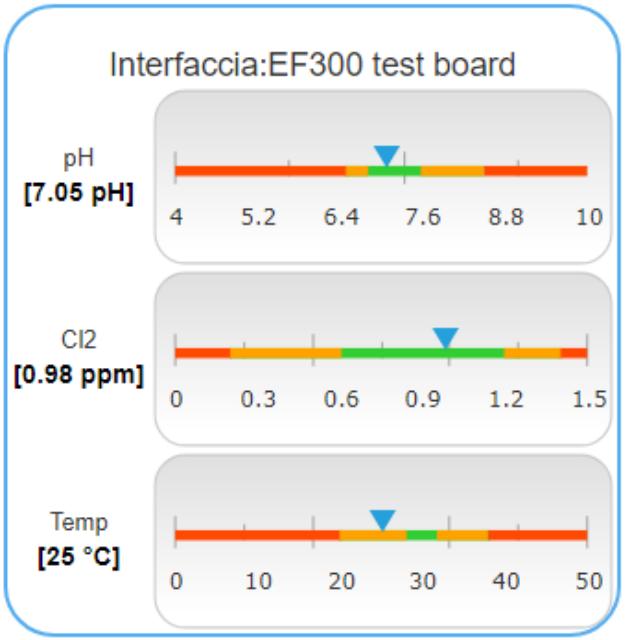
Canale	Abilitato	Nome	U.M.	Is	Allarme min	Limite accettabile min	Limite accettabile max	Allarme max	Fs	Decimali
ph_01	☑	pH	pH	4	6.5	6.8	7.6	8.5	10	2

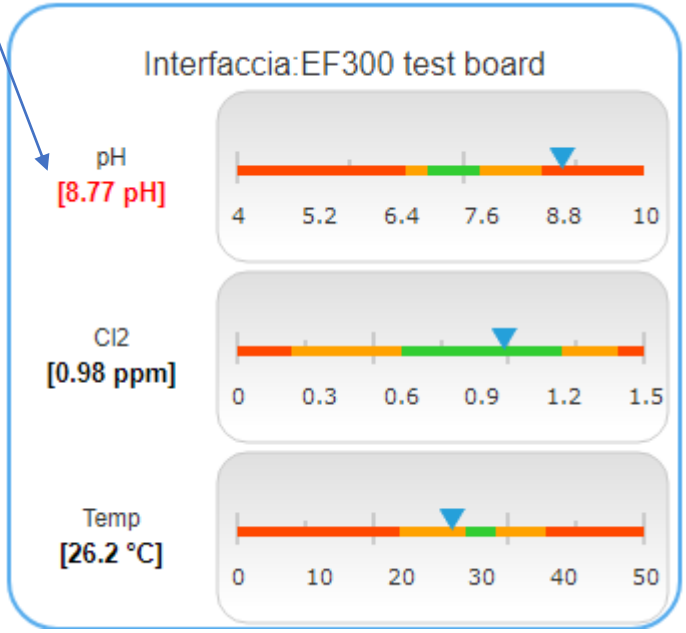


Note: All these settings do not affect operations of the remotely controlled device

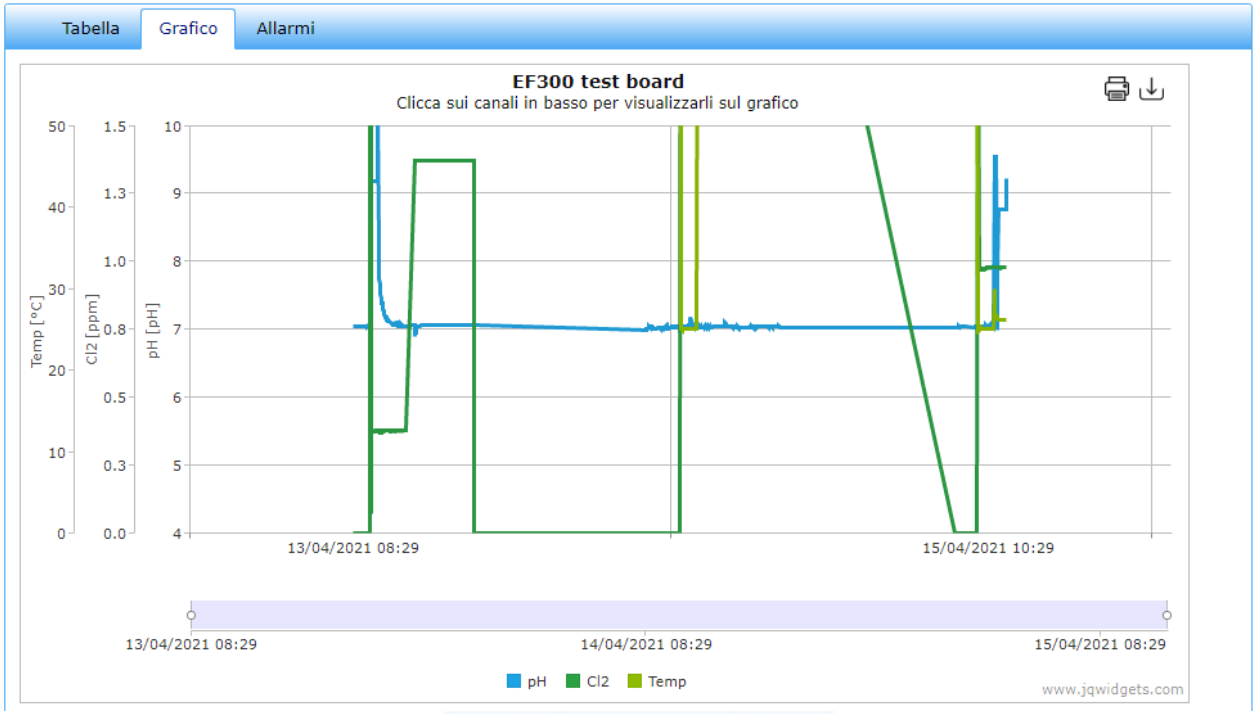
Range – Limits – Alarms

If an alarm threshold is exceeded, the measured value is shown in red

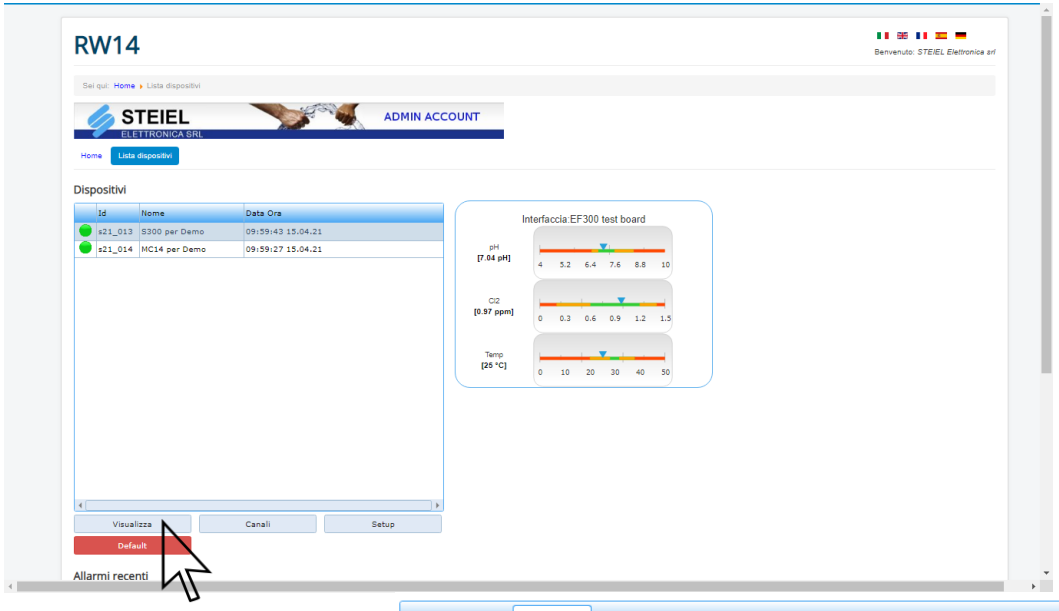




Graphic diagrams of measurements



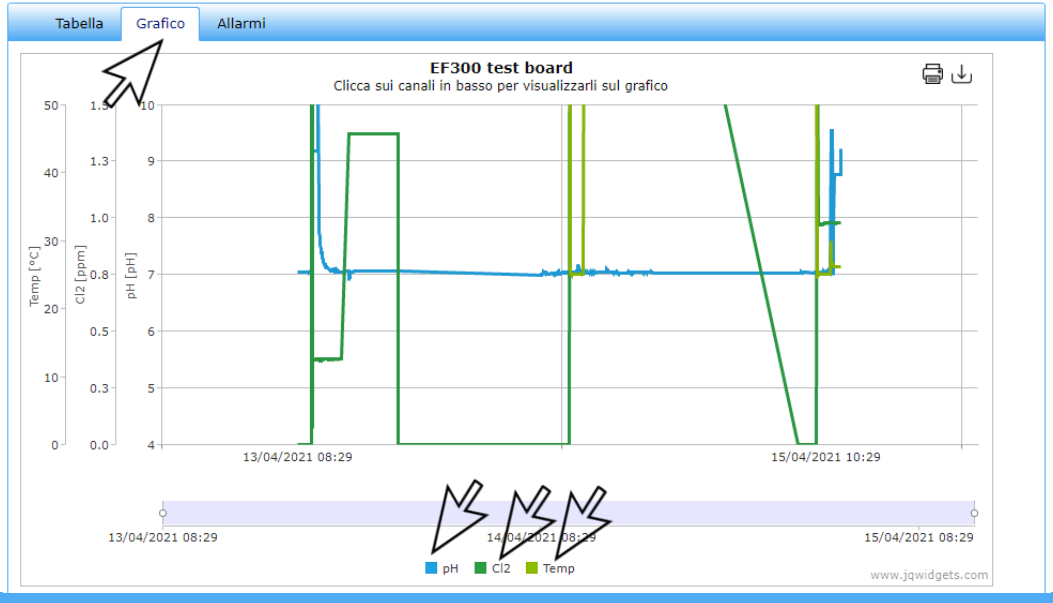
Graphic diagrams of measurements



Display

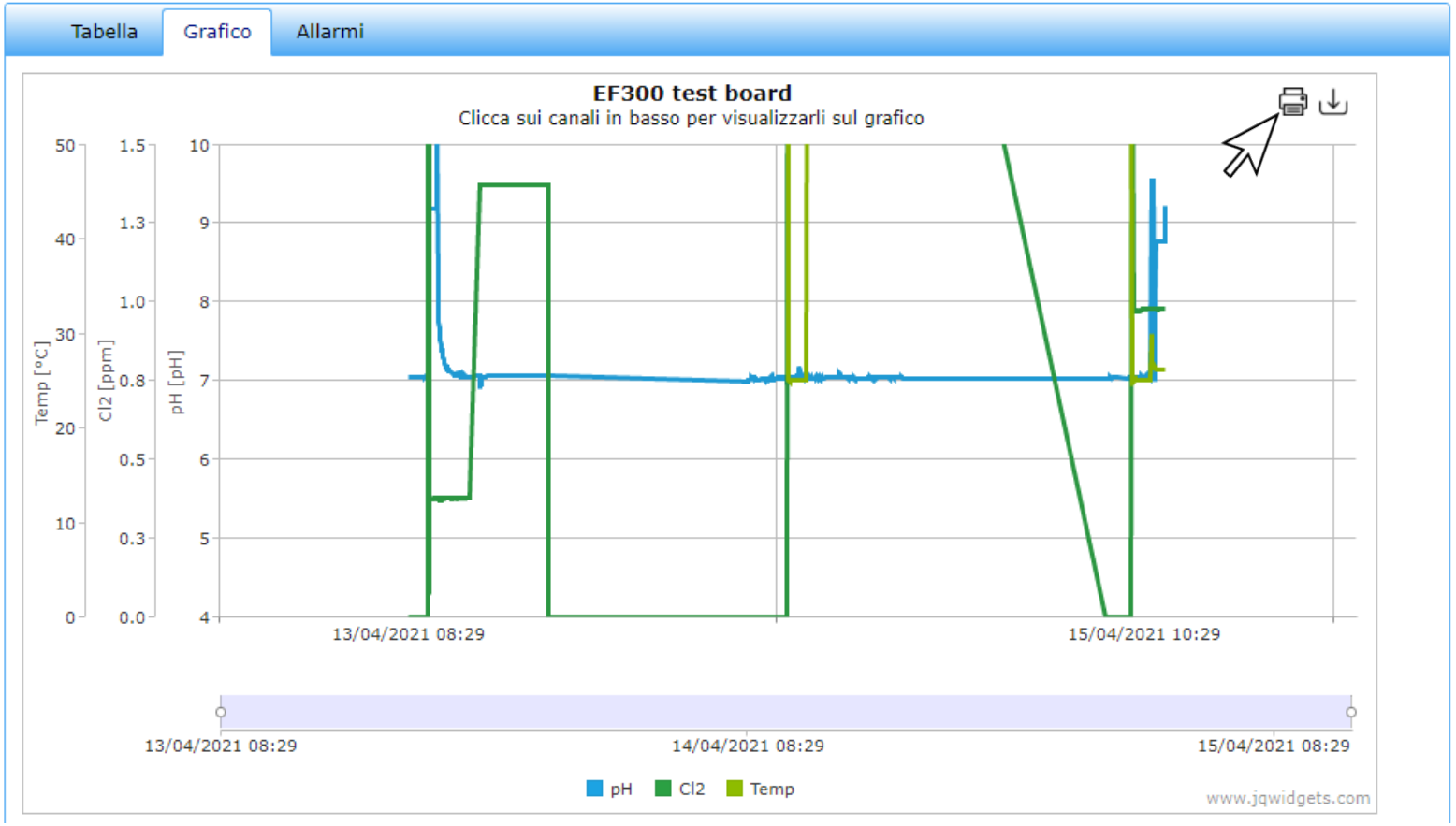
A page opens to see:

- ✓ Measurement report
- ✓ **Graphs** of measurements
- ✓ Alarm report



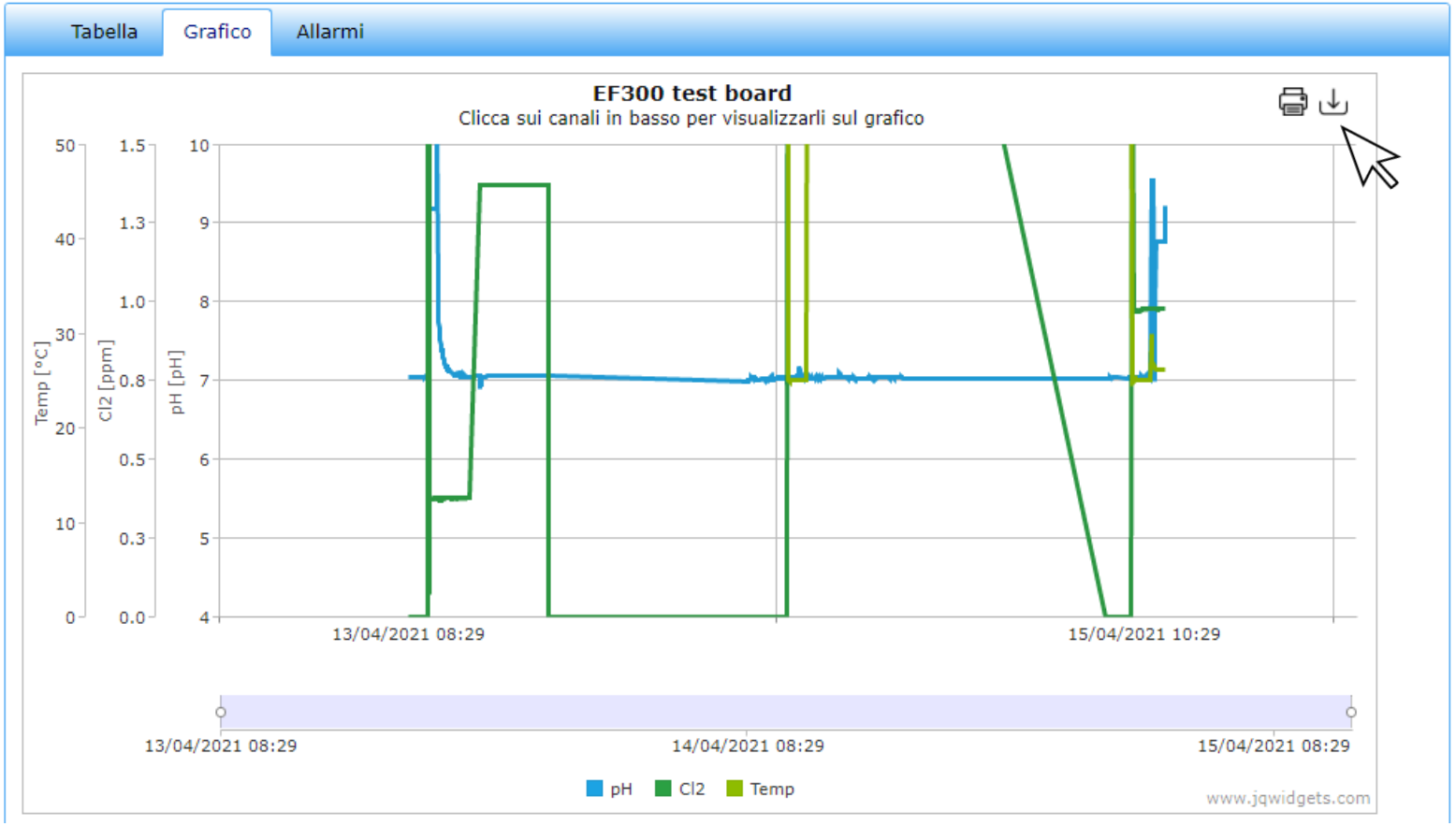
Graphic diagrams of measurements

Printing function

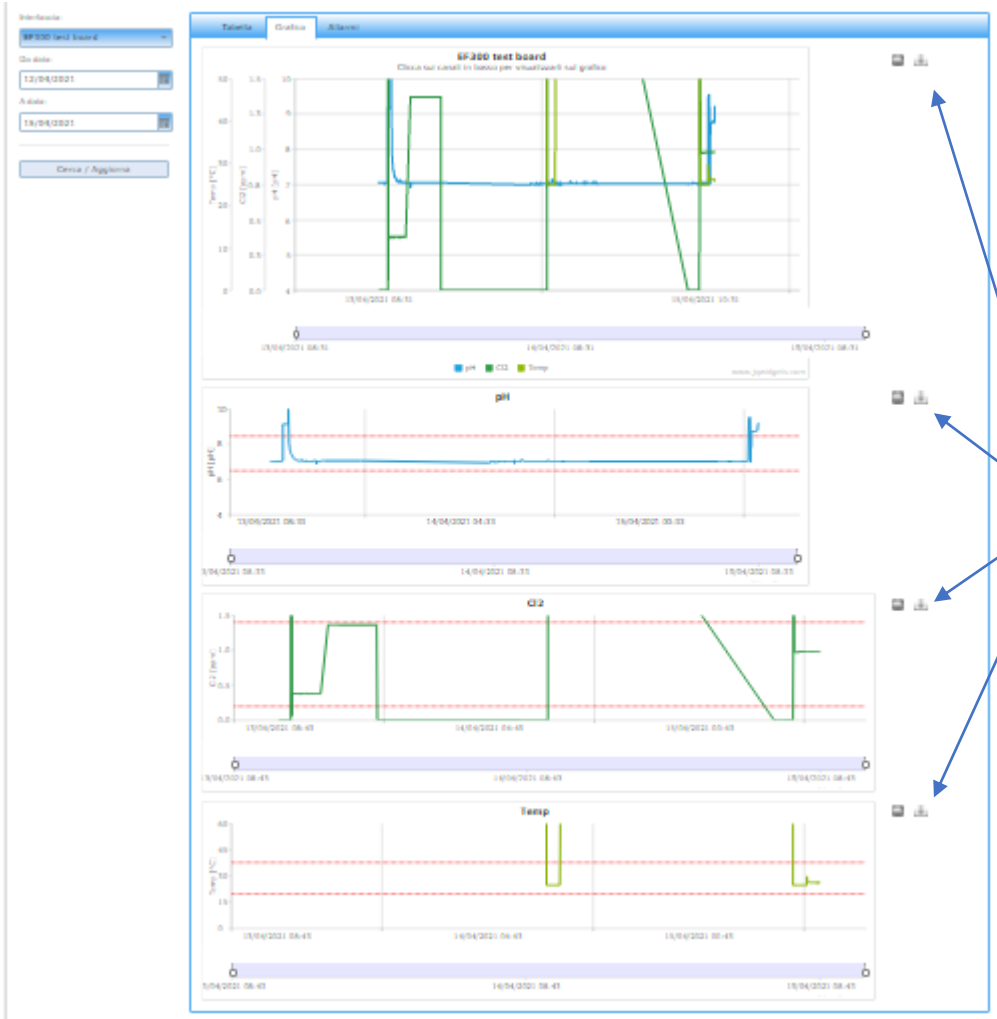


Graphic diagrams of measurements

Save as PNG image



Graphic diagrams of measurements



You can print / export the graph as

- ❑ Summary graph for all channels
- ❑ Graphs of each single channel

Report table of measurements

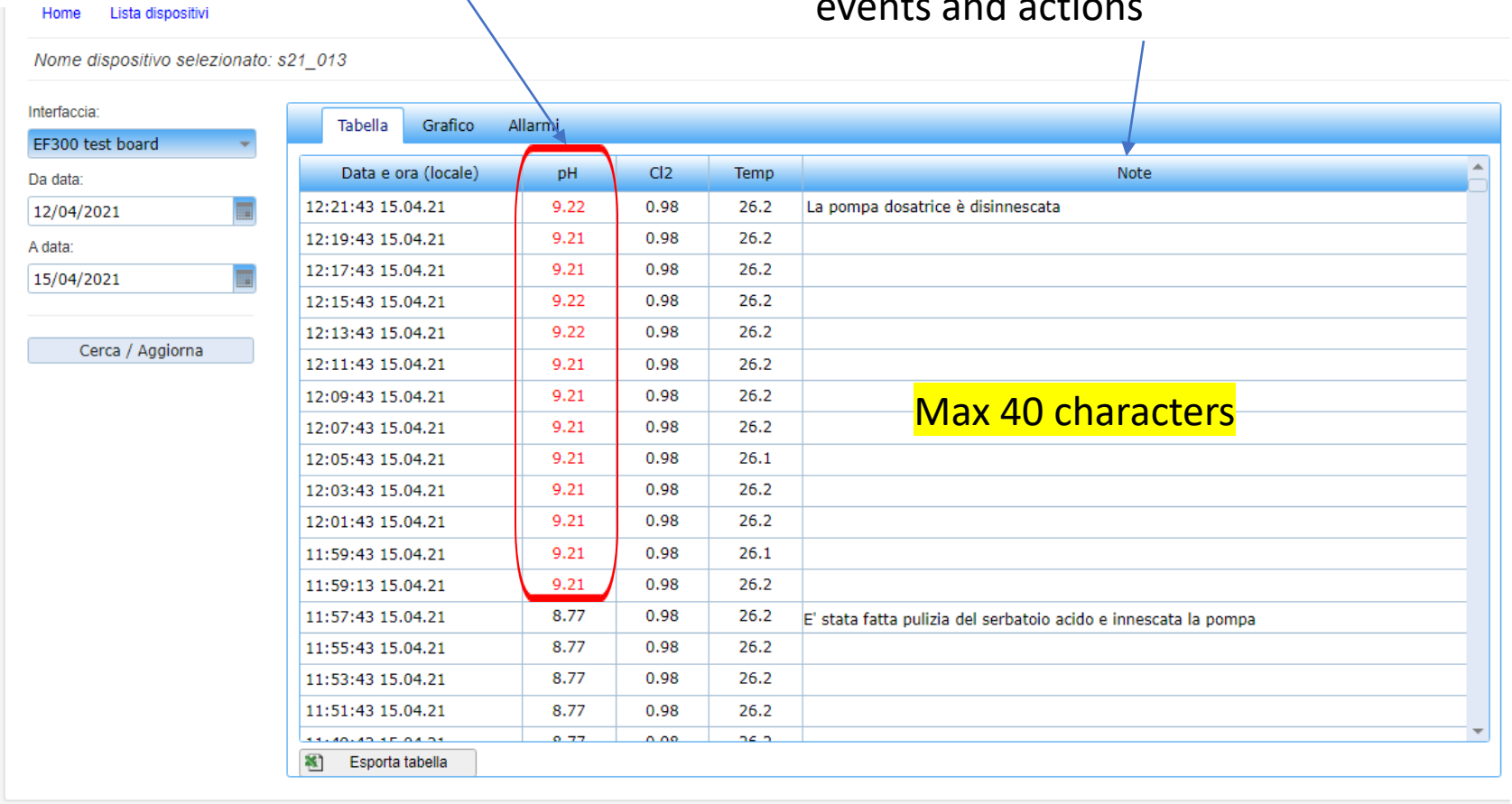
Choose the desired time interval, then use the Search / Update function to display the measurements acquired in the set period

Data e ora (locale)	pH	Cl2	Temp	Note
12:19:43 15.04.21	9.21	0.98	26.2	
12:17:43 15.04.21	9.21	0.98	26.2	
12:15:43 15.04.21	9.22	0.98	26.2	
12:13:43 15.04.21	9.22	0.98	26.2	
12:11:43 15.04.21	9.21	0.98	26.2	
12:09:43 15.04.21	9.21	0.98	26.2	
12:07:43 15.04.21	9.21	0.98	26.2	
12:05:43 15.04.21	9.21	0.98	26.1	
12:03:43 15.04.21	9.21	0.98	26.2	
12:01:43 15.04.21	9.21	0.98	26.2	
11:59:43 15.04.21	9.21	0.98	26.1	
11:59:13 15.04.21	9.21	0.98	26.2	
11:57:43 15.04.21	8.77	0.98	26.2	
11:55:43 15.04.21	8.77	0.98	26.2	
11:53:43 15.04.21	8.77	0.98	26.2	
11:51:43 15.04.21	8.77	0.98	26.2	
11:49:43 15.04.21	8.77	0.98	26.2	

Report table of measurements

Alarm conditions are highlighted in red

You can write notes as reminders of events and actions



Data e ora (locale)	pH	Cl2	Temp	Note
12:21:43 15.04.21	9.22	0.98	26.2	La pompa dosatrice è disinnescata
12:19:43 15.04.21	9.21	0.98	26.2	
12:17:43 15.04.21	9.21	0.98	26.2	
12:15:43 15.04.21	9.22	0.98	26.2	
12:13:43 15.04.21	9.22	0.98	26.2	
12:11:43 15.04.21	9.21	0.98	26.2	
12:09:43 15.04.21	9.21	0.98	26.2	
12:07:43 15.04.21	9.21	0.98	26.2	
12:05:43 15.04.21	9.21	0.98	26.1	
12:03:43 15.04.21	9.21	0.98	26.2	
12:01:43 15.04.21	9.21	0.98	26.2	
11:59:43 15.04.21	9.21	0.98	26.1	
11:59:13 15.04.21	9.21	0.98	26.2	
11:57:43 15.04.21	8.77	0.98	26.2	E' stata fatta pulizia del serbatoio acido e innescata la pompa
11:55:43 15.04.21	8.77	0.98	26.2	
11:53:43 15.04.21	8.77	0.98	26.2	
11:51:43 15.04.21	8.77	0.98	26.2	

Report table of measurements

Home Lista dispositivi

Nome dispositivo selezionato: s21_013

Interfaccia:

EF300 test board

Da data:

12/04/2021

A data:

15/04/2021

Cerca / Aggiorna

Tabella | Grafico | Allarmi

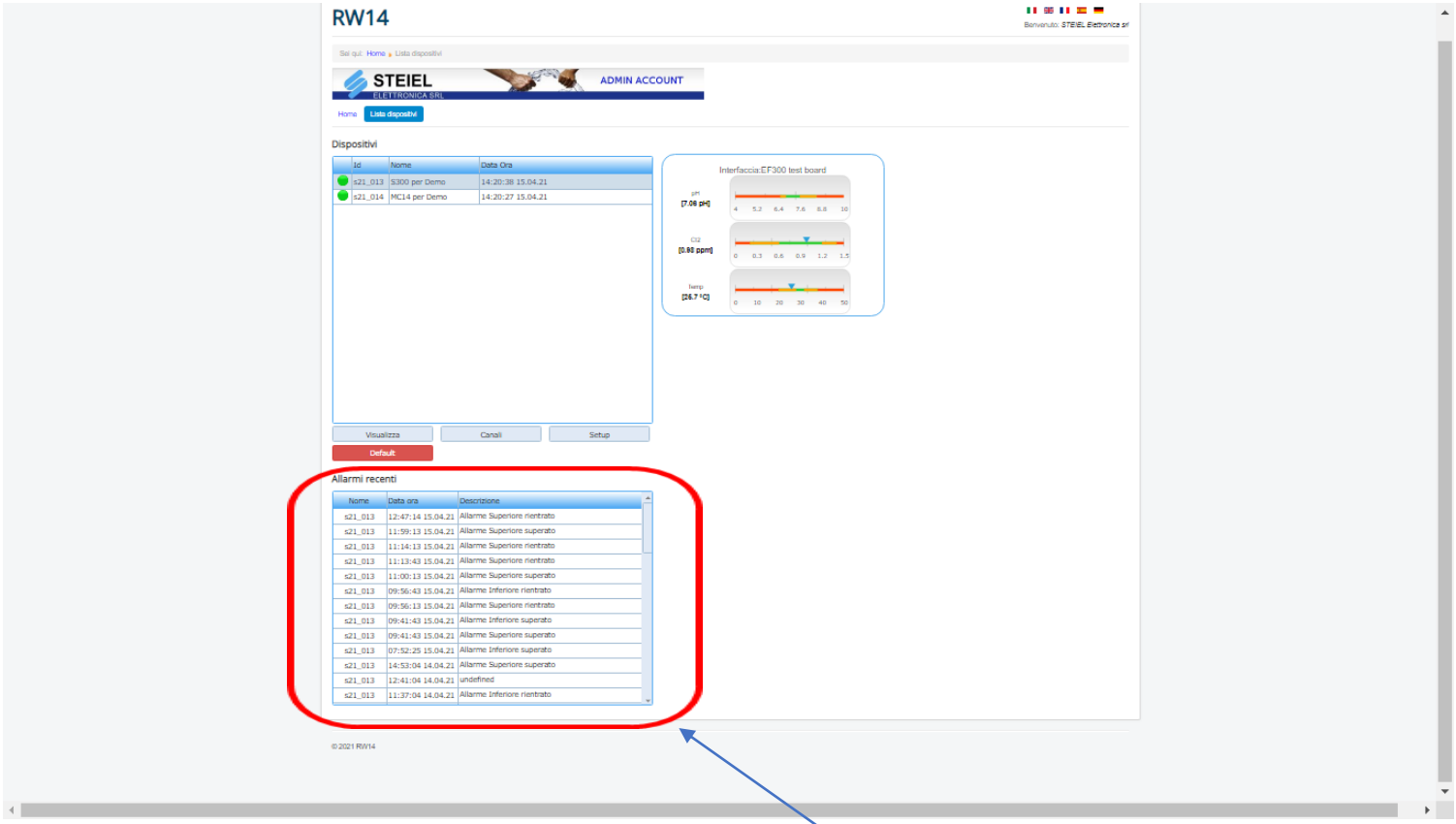
Data e ora (locale)	pH	Cl2	Temp	Note
12:21:43 15.04.21	9.22	0.98	26.2	La pompa dosatrice è disinnescata
12:19:43 15.04.21	9.21	0.98	26.2	
12:17:43 15.04.21	9.21	0.98	26.2	
12:15:43 15.04.21	9.22	0.98	26.2	
12:13:43 15.04.21	9.22	0.98	26.2	
12:11:43 15.04.21	9.21	0.98	26.2	
12:09:43 15.04.21	9.21	0.98	26.2	
12:07:43 15.04.21	9.21	0.98	26.2	
12:05:43 15.04.21	9.21	0.98	26.1	
12:03:43 15.04.21	9.21	0.98	26.2	
12:01:43 15.04.21	9.21	0.98	26.2	
11:59:43 15.04.21	9.21	0.98	26.1	
11:59:13 15.04.21	9.21	0.98	26.2	
11:57:43 15.04.21	8.77	0.98	26.2	E' stata fatta pulizia del serbatoio acido e innescata la pompa
11:55:43 15.04.21	8.77	0.98	26.2	
11:53:43 15.04.21	8.77	0.98	26.2	
11:51:43 15.04.21	8.77	0.98	26.2	

Esporta tabella

Data can be exported as Excel file

Date(local)	pH	Cl2	Temp
15/04/2021 12:37	9.22	0.98	26.2
15/04/2021 12:35	9.22	0.98	26.2
15/04/2021 12:33	9.22	0.98	26.2
15/04/2021 12:31	9.21	0.98	26.2
15/04/2021 12:29	9.22	0.98	26.2
15/04/2021 12:27	9.21	0.98	26.2
15/04/2021 12:25	9.22	0.98	26.2
15/04/2021 12:23	9.21	null	null

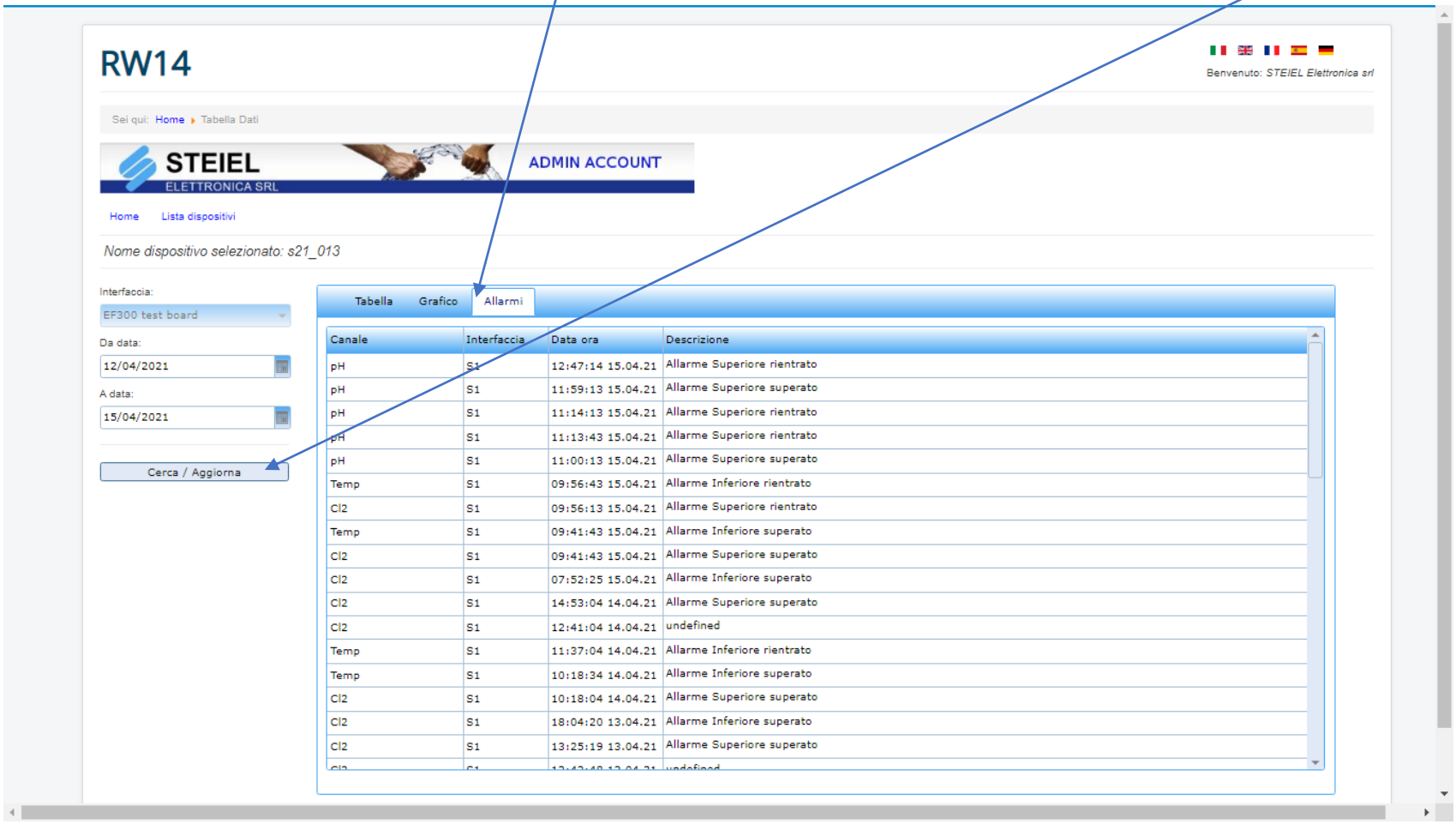
Report table of alarms



The last alarms are displayed on the homepage

Report table of alarms

In the «Display» «Alarms» page you can filter data within a defined time interval



The STEIEL «Customer Care Service» is always at your disposal, to help you getting the maximum satisfying performance from our products.

For any support request about the RW14 system,
and / or malfunctioning reports

Please send an email to:

support@RW14.it

Thanks for your attention!

Good job!