

RW14

email sending function... and more

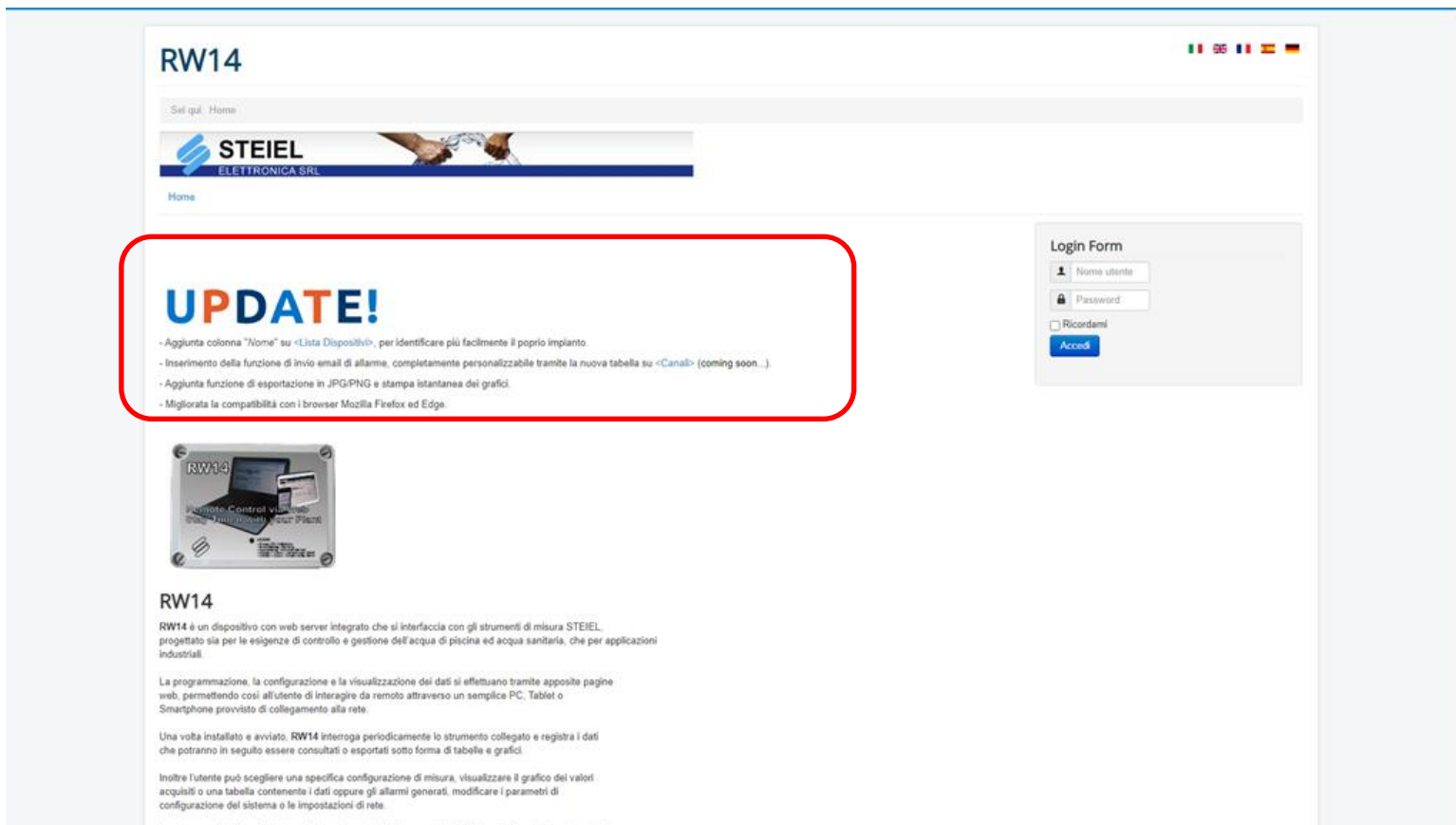


- ✓ **Introduction to RW14 program updating**
- ✓ **Email sending**
- ✓ **Graphical visualization**
- ✓ **Definition of acceptability fields**
- ✓ **Printing of graphics**
- ✓ **Exporting reports and alarms**





Warning! The RW14 starts working with updates!



The screenshot displays the RW14 web interface. At the top, there's a header with the title 'RW14' and language flags (Italian, English, French, Spanish, German). Below the header is a navigation bar with 'Sai qui Home' and a STEIEL ELETTRONICA SRL logo. A red-bordered box highlights a large 'UPDATE!' message in blue and red text. Below this message, a list of updates is provided:

- Aggiunta colonna "Nome" su «Lista Dispositivi», per identificare più facilmente il proprio impianto.
- Inserimento della funzione di invio email di allarme, completamente personalizzabile tramite la nuova tabella su «Canali» (coming soon...)
- Aggiunta funzione di esportazione in JPG-PNG e stampa istantanea dei grafici.
- Migliorata la compatibilità con i browser Mozilla Firefox ed Edge.

To the right of the update box is a 'Login Form' with fields for 'Nome utente' and 'Password', a 'Ricordami' checkbox, and an 'Accedi' button. Below the update box is a small image of the RW14 device, labeled 'RW14 Remote Control via web'. Further down, the 'RW14' section provides a description: 'RW14 è un dispositivo con web server integrato che si interfaccia con gli strumenti di misura STEIEL, progettato sia per le esigenze di controllo e gestione dell'acqua di piscina ed acqua sanitaria, che per applicazioni industriali.' It also details the programming and data visualization capabilities, and mentions that the device periodically checks the connected instrument and registers data for consultation or export as tables and graphs. Finally, it notes that users can choose specific measurement configurations, view value graphs, or export data and alarms as tables or modify system parameters and network settings.

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

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**




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

Login Form





☐ Ricordami





RW14

Benvenuto: STEIEL Elettronica srl

Sei qui: [Home](#) > Configurazione Canali

STEIEL
ELETTRONICA SRL

ADMIN ACCOUNT

[Home](#) [Lista dispositivi](#)

Nome dispositivo selezionato: s21_013

Interfaccia: EF300 test board (S1)
S1

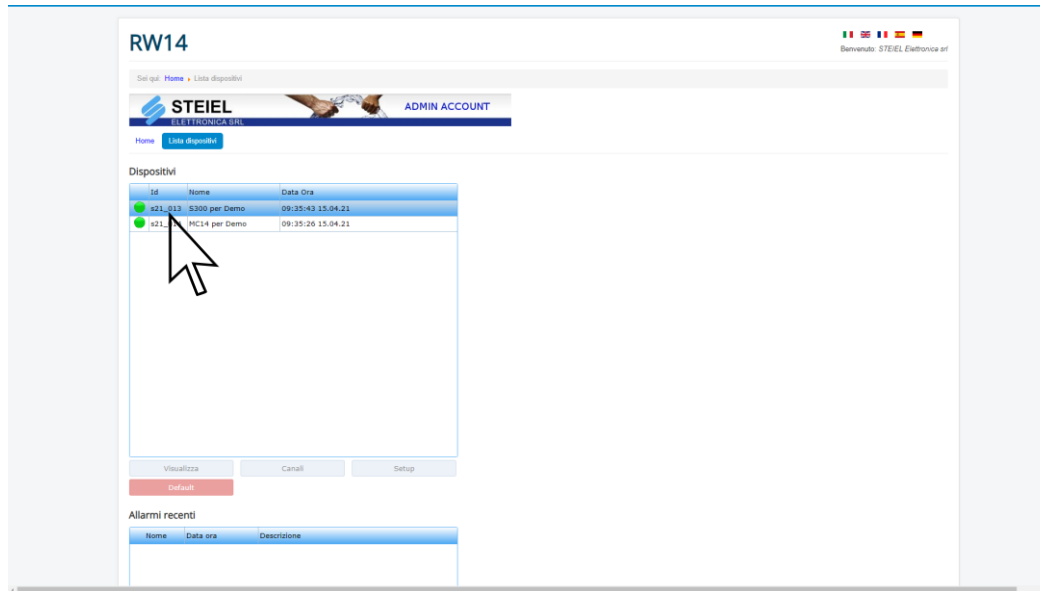
Canale	Abilitato	Nome	U.M.	Is	Allarme min	Limite accettabile min	Limite accettabile max	Allarme max	Fs	Decim	Invia email	Tempo di controllo min. ⌚	Email
ph_01	<input checked="" type="checkbox"/>	pH	pH	0	5	6.8	7.8	9.2	14	2	<input checked="" type="checkbox"/>	0	
rx	<input checked="" type="checkbox"/>	Cl2	ppm	0	0.2	0.4	0.6	0.8	1	2	<input checked="" type="checkbox"/>	0	
temp	<input checked="" type="checkbox"/>	Temp	°C	0	30	40	70	75	100	1	<input checked="" type="checkbox"/>	0	

Submit

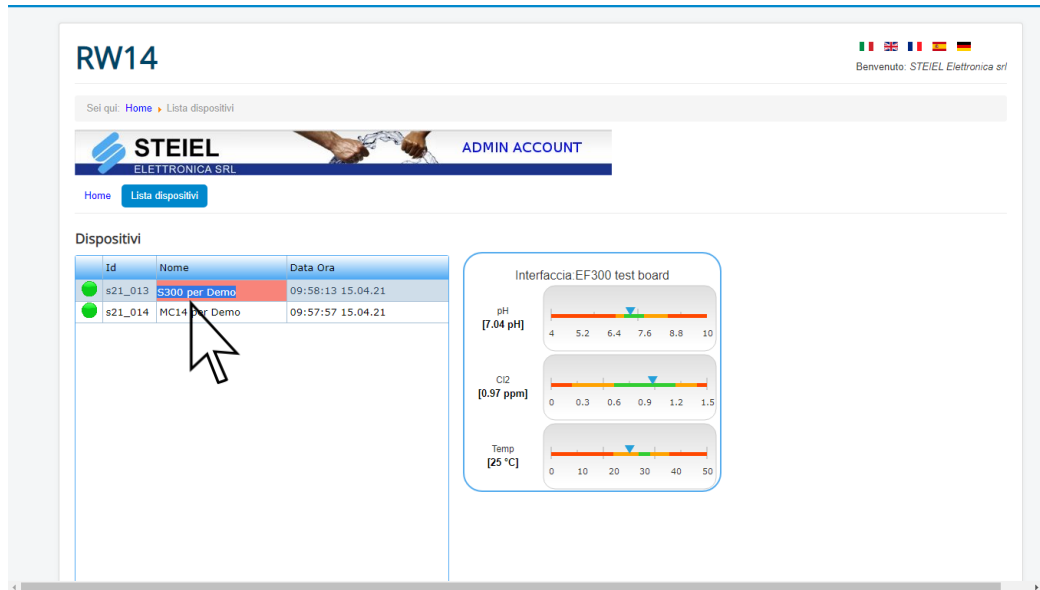
© 2021 RW14

Invia email	Tempo di controllo min. ⌚	Email
<input checked="" type="checkbox"/>	0	
<input checked="" type="checkbox"/>	0	
<input checked="" type="checkbox"/>	0	





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



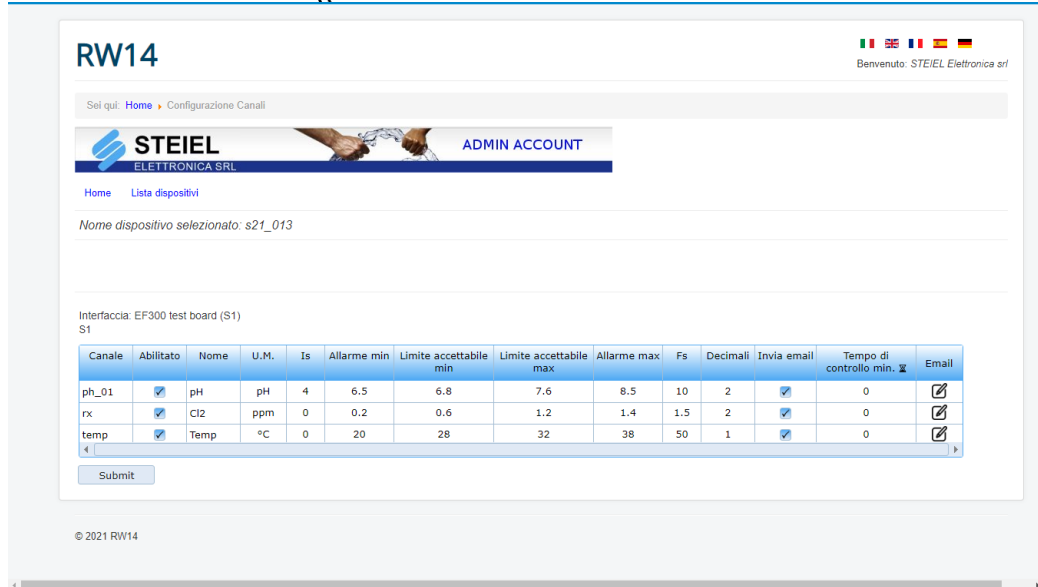
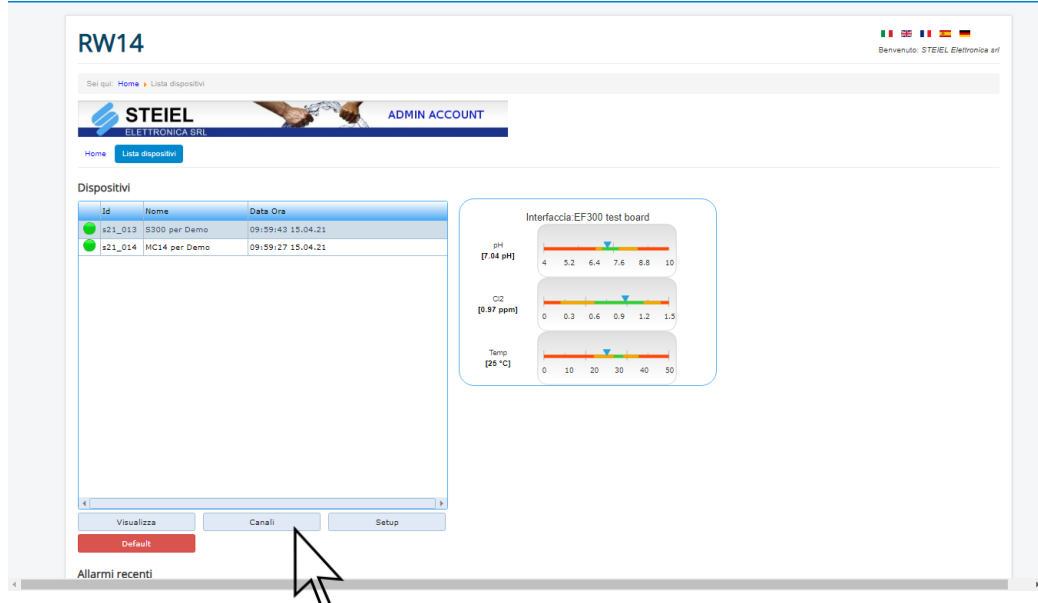
Remember that the device name is an editable field, and you can enter the desired instrument name.

This will also allow to clearly label the email messages.

Channels

Open this window to set:

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



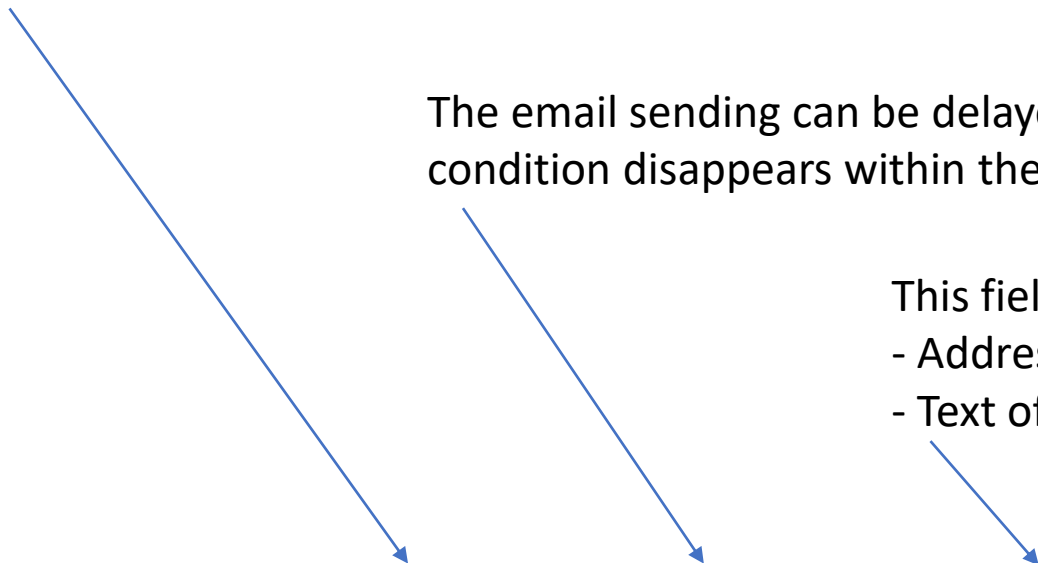
	Invia email	Tempo di controllo min. ⌚	Email
	<input checked="" type="checkbox"/>	0	
	<input checked="" type="checkbox"/>	0	
	<input checked="" type="checkbox"/>	0	




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



i	Invia email	Tempo di controllo min. ⌚	Email
	<input checked="" type="checkbox"/>	0	
	<input checked="" type="checkbox"/>	0	
	<input checked="" type="checkbox"/>	0	

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	<input checked="" type="checkbox"/>	pH	pH	4	6.5	6.8	7.6	8.5
rx	<input checked="" type="checkbox"/>	Cl2	ppm	0	0.2	0.6	1.2	1.4
temp	<input checked="" type="checkbox"/>	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**

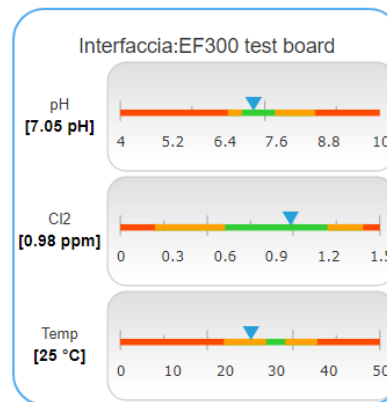
The Min and Max Alarm fields are editable

Interfaccia: EF300 test board (S1)
S1

Canale	Abilitato	Nome	U.M.	Is	Allarme min	Limite accettabile min	Limite accettabile max	Allarme max
ph_01	<input checked="" type="checkbox"/>	pH	pH	4	6.5	6.8	7.6	8.5
rx	<input checked="" type="checkbox"/>	Cl2	ppm	0	0.2	0.6	1.2	1.4
temp	<input checked="" type="checkbox"/>	Temp	°C	0	20	28	32	38

Submit

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



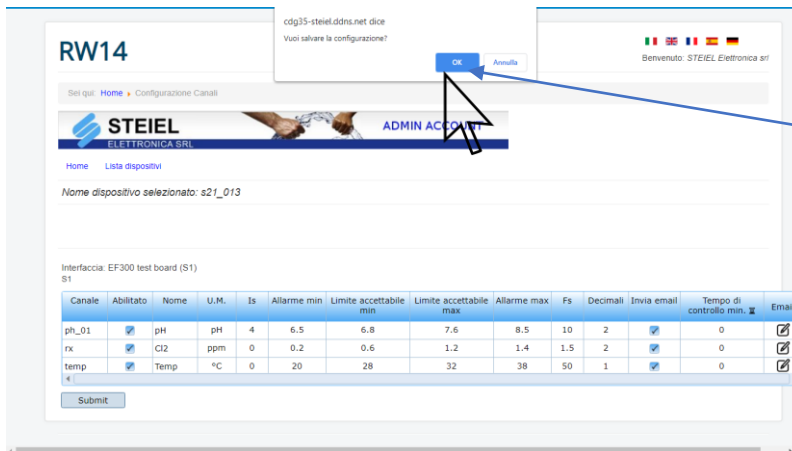
Interfaccia: EF300 test board (S1)
S1

Canale	Abilitato	Nome	U.M.	Is	Allarme min	Limite accettabile min	Limite accettabile max	Allarme max
ph_01	<input checked="" type="checkbox"/>	pH	pH	4	6.5	6.8	7.6	8.5
rx	<input checked="" type="checkbox"/>	Cl2	ppm	0	0.2	0.6	1.2	1.4
temp	<input checked="" type="checkbox"/>	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


i	Invia email	Tempo di controllo min. ⌚	Email
	<input checked="" type="checkbox"/>	0	
	<input checked="" type="checkbox"/>	0	
	<input checked="" type="checkbox"/>	0	

Enter the email address

Gestione destinatari - EF300 test board (S1) - pH

Email: 

Lingua mail: Italiano

Messaggio: 

Enter the text to be sent

Aggiungi

Add to the list

Email	Lingua mail	Messaggio	Azioni
No data to display			

NOTA: Per salvare le modifiche ai destinatari, chiudere la finestra e premere il pulsante Submit



Once the email address list is completed...

Gestione destinatari - EF300 test board (S1) - pH

Email:

Lingua mail: Italiano

Messaggio:

Email	Lingua mail	Messaggio	Azioni
riccardorizzi@steiel.it	Italiano	Procurate le soluzione pH4 e 7 per fare	 

NOTA: Per salvare le modifiche ai destinatari, chiudere la finestra e premere il pulsante Submit

... close the window

Interfaccia: EF300 test board (S1)
S1

Canale	Abilitato	Nome	U.M.	Is	Allarme min	Limite accettabile min	Limite accettabile max	Allarme max
ph_01	<input checked="" type="checkbox"/>	pH	pH	4	6.5	6.8	7.6	8.5
rx	<input checked="" type="checkbox"/>	Cl2	ppm	0	0.2	0.6	1.2	1.4
temp	<input checked="" type="checkbox"/>	Temp	°C	0	20	28	32	38



Save modifications!

Gestione destinatari - EF300 test board (S1) - pH

Email:

Lingua mail: Italiano

Messaggio:

Email	Lingua mail	Messaggio	Azioni
riccardorizzi@steiel.it	Italiano	Procurate le soluzione pH4 e 7 per fare	 

If necessary, you can modify the message text

Each address can be removed at any time

NOTA: Per salvare le modifiche ai destinatari, chiudere la finestra e premere il pulsante Submit

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

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

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

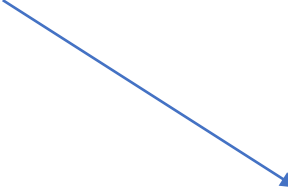
Reading : 6.99 pH




Alarms: MIN = 6.5 pH - MAX = 8.5 pH

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

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



Invia email	Tempo di controllo min. ⌚	Email
<input checked="" type="checkbox"/>	5	
<input checked="" type="checkbox"/>	5	
<input checked="" type="checkbox"/>	10	

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

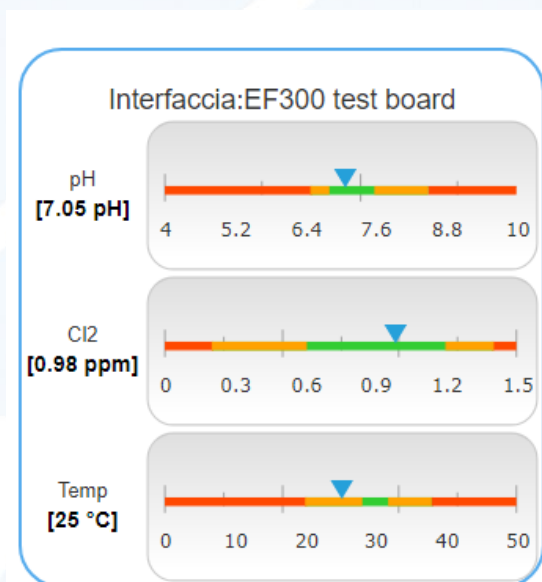
Automatic message (do not reply).

Event date: 2021-04-12 15:00:19 (LOCAL)

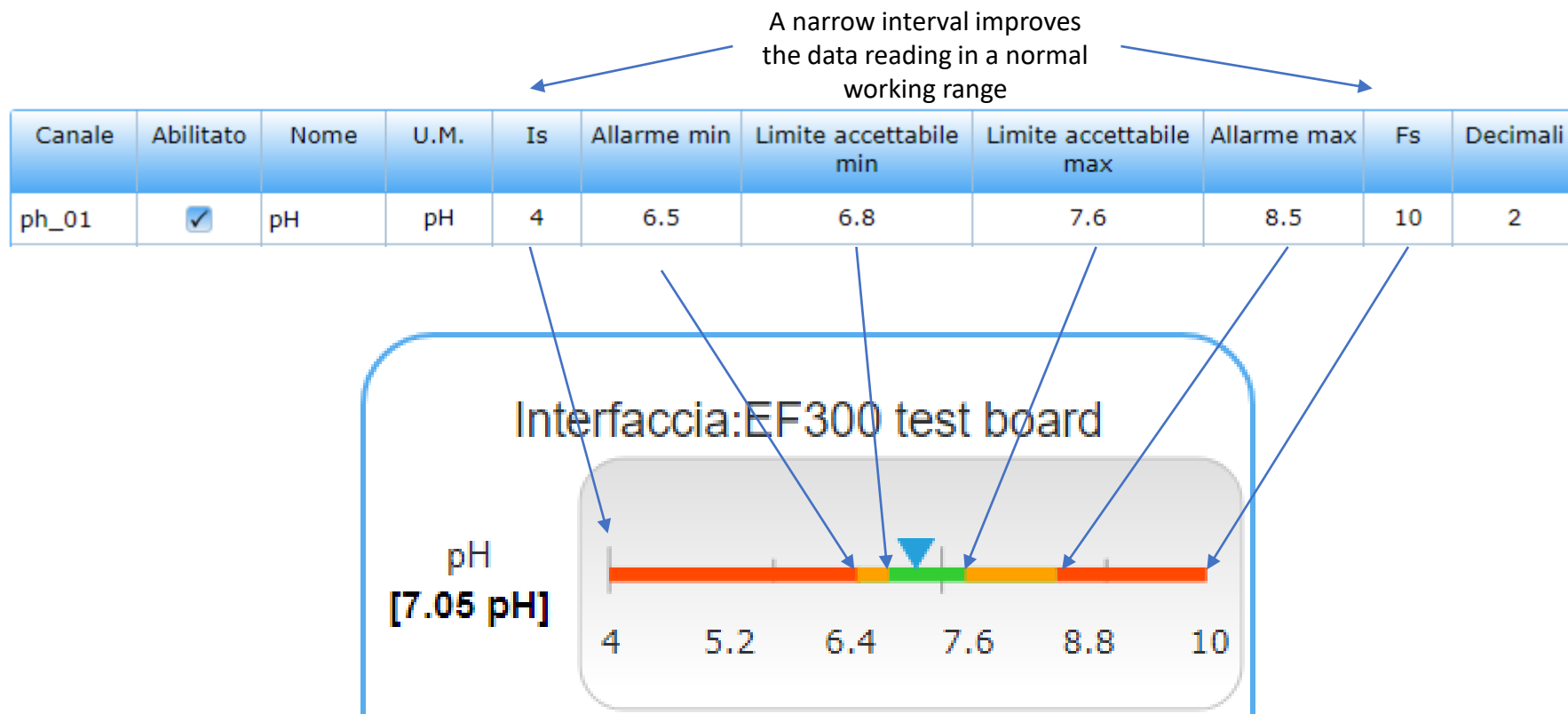
Device: Test on S300 (s21_013)

Event type: Device reconnected

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

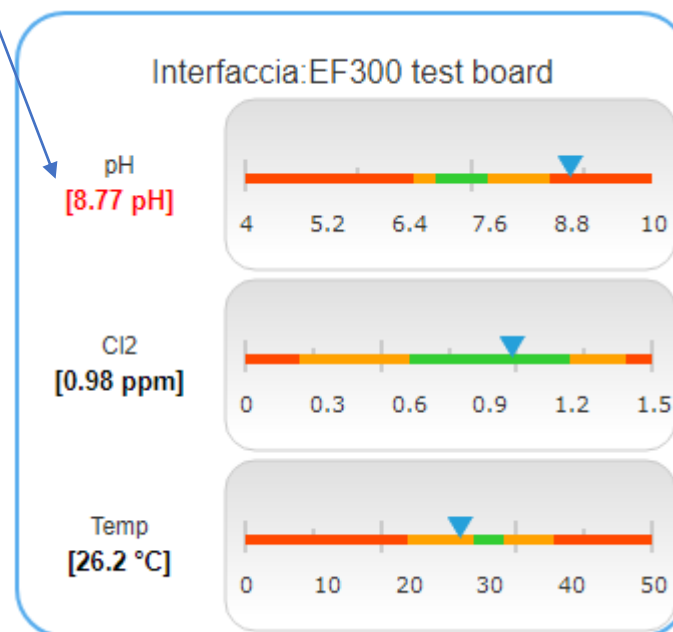
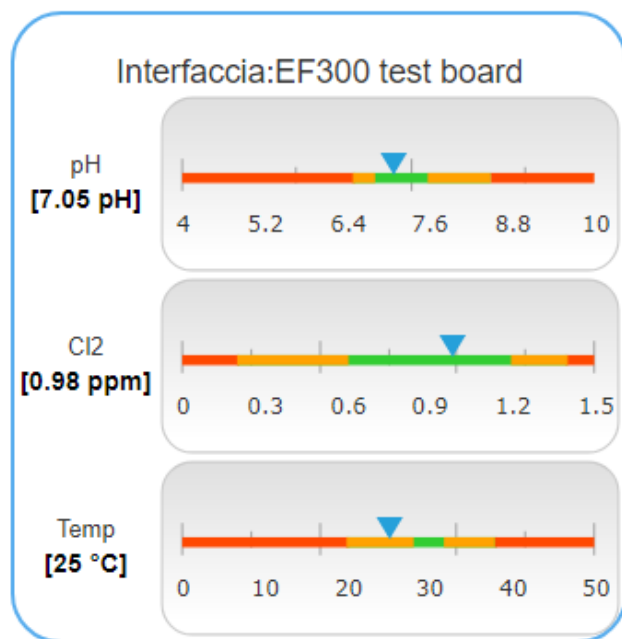


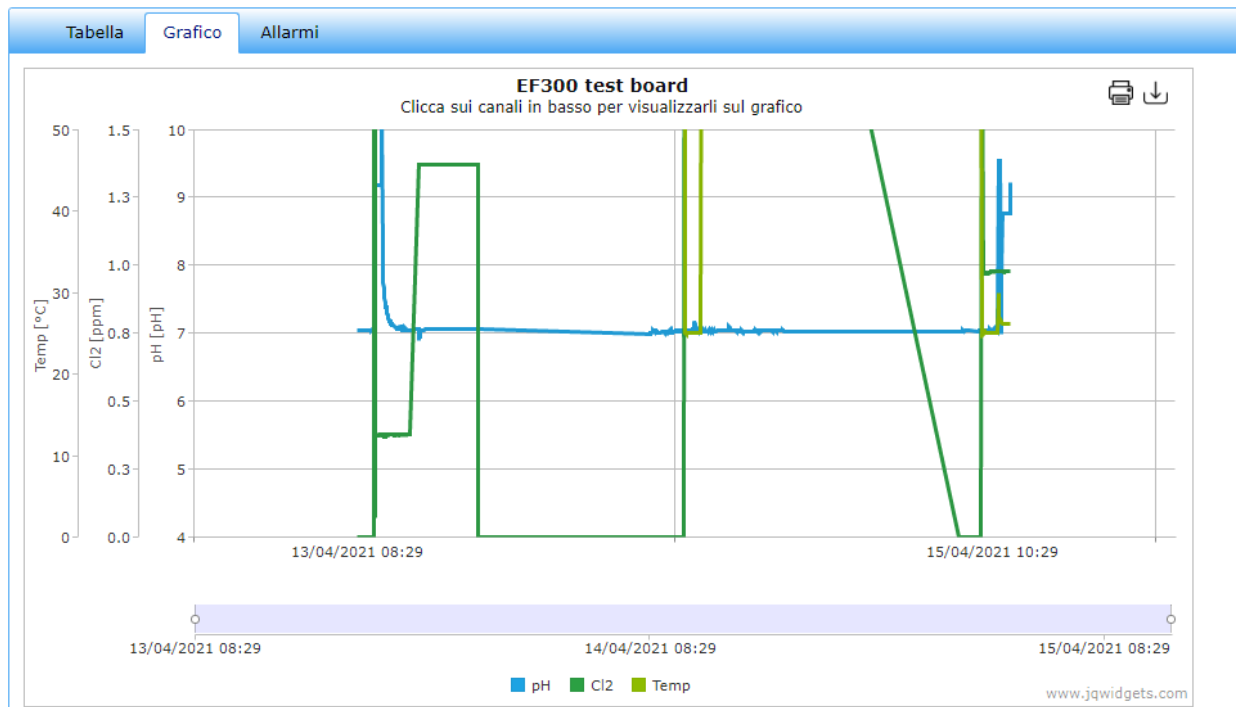
Graphic visualization depends on the parameters entered in the channel page table

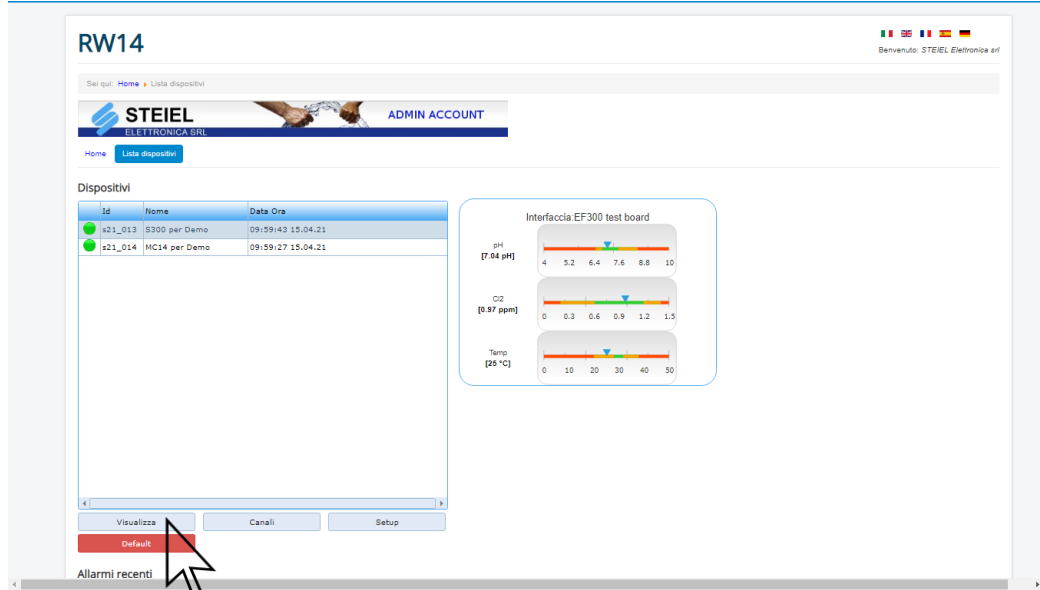


Note: All these settings do not affect operations of the remotely controlled device

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



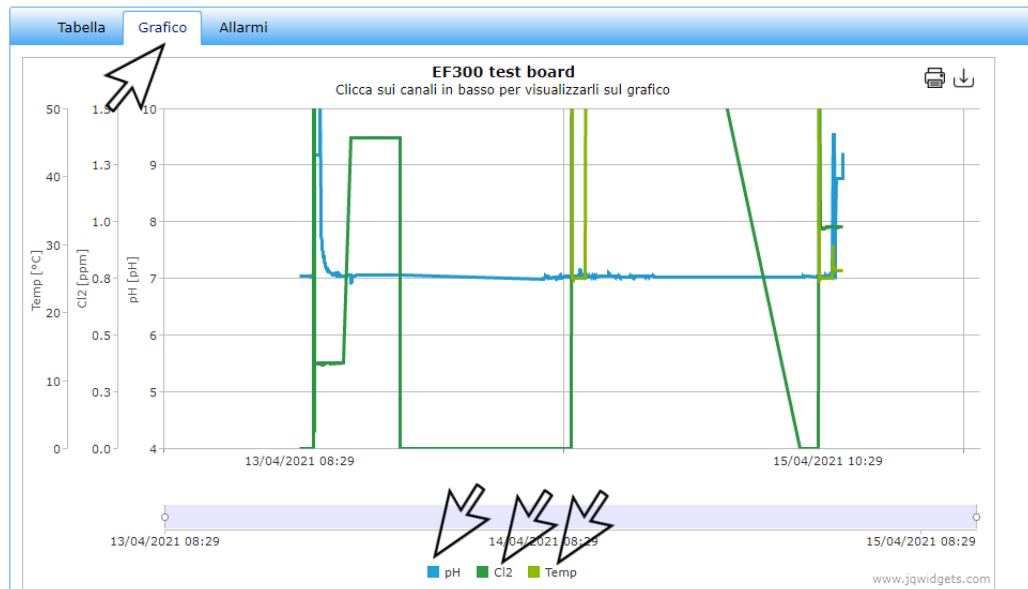




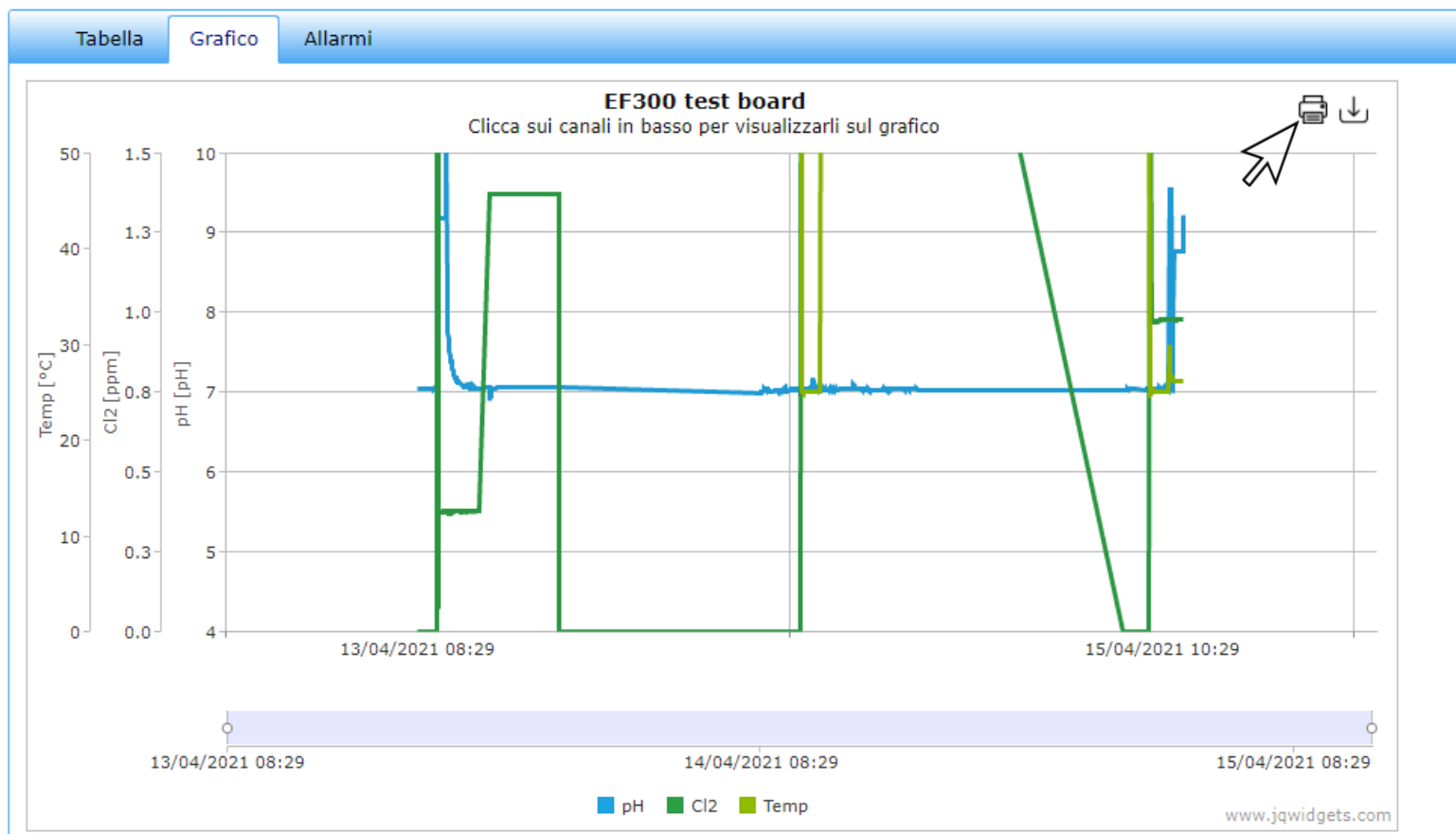
Display

A page opens to see:

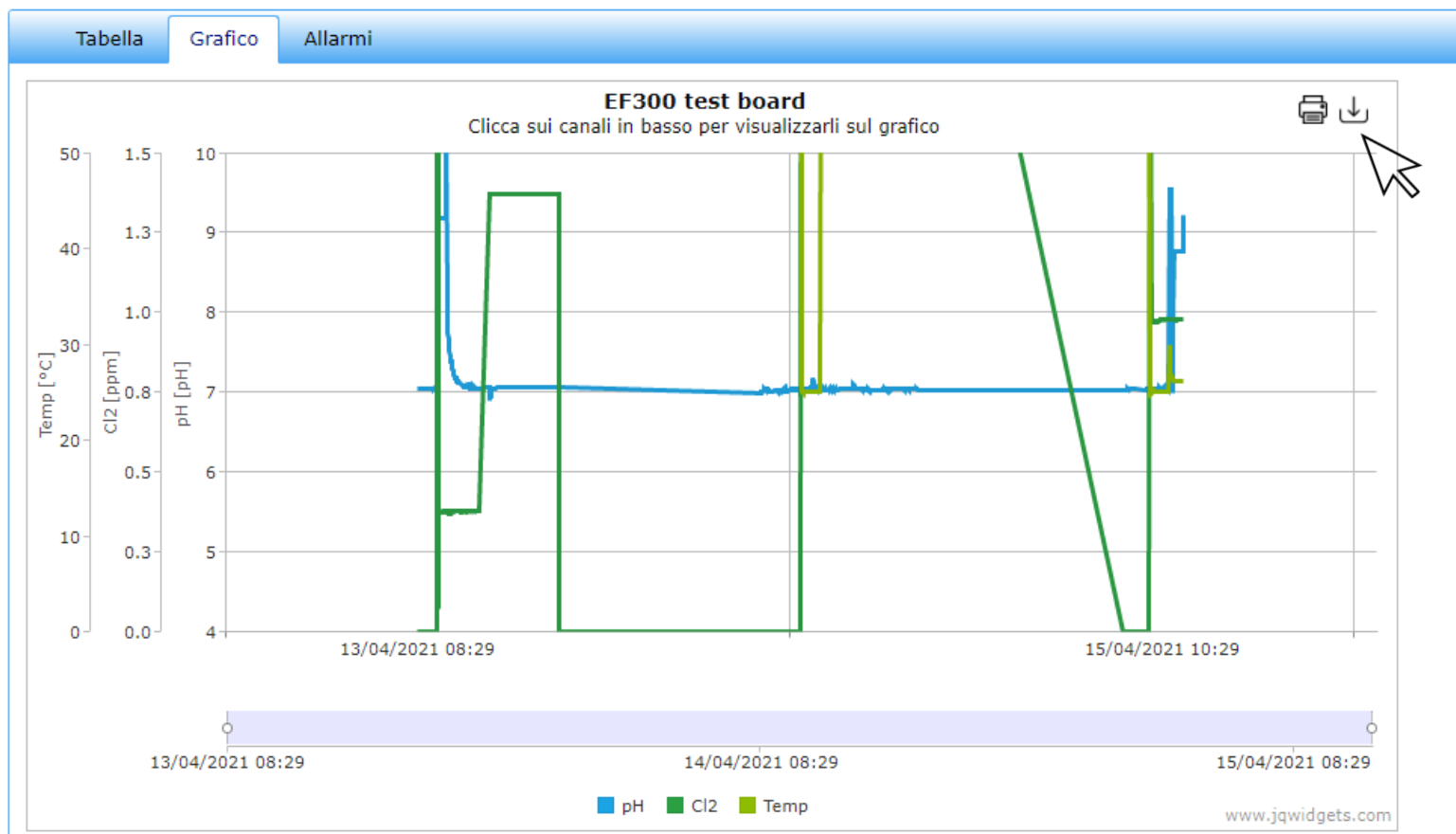
- ✓ Measurement report
- ✓ **Graphs** of measurements
- ✓ Alarm report

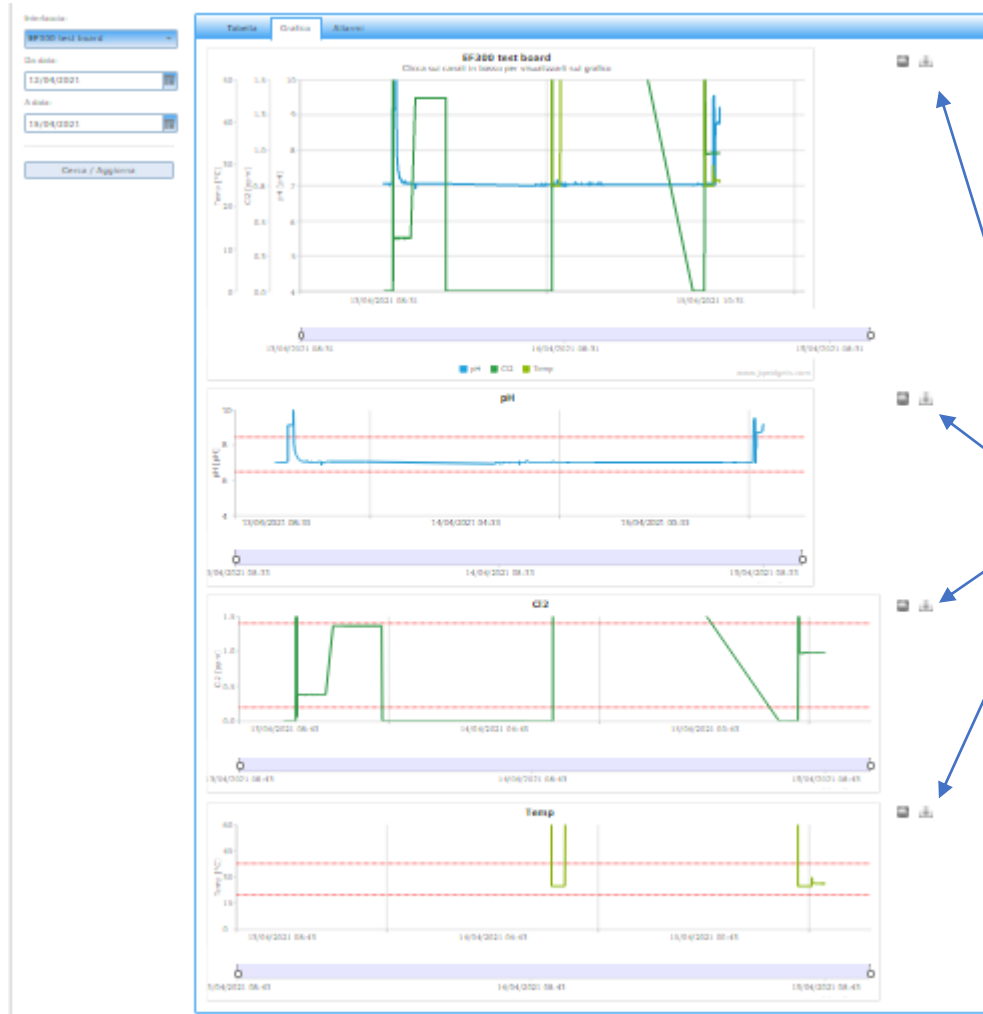


Printing function



Save as PNG image





You can print / export the graph as

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

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

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
12:19:43 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	
11:47:43 15.04.21	8.77	0.98	26.2	

Esporta tabella

Alarm conditions are highlighted in red

You can write notes as reminders of events and actions

Home [Lista dispositivi](#)

Nome dispositivo selezionato: s21_013

Interfaccia:
 EF300 test board

Da data:
 12/04/2021

A data:
 15/04/2021

Cerca / Aggiorna

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	
11:49:43 15.04.21	8.77	0.98	26.2	

Esporta tabella

Max 40 characters

[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

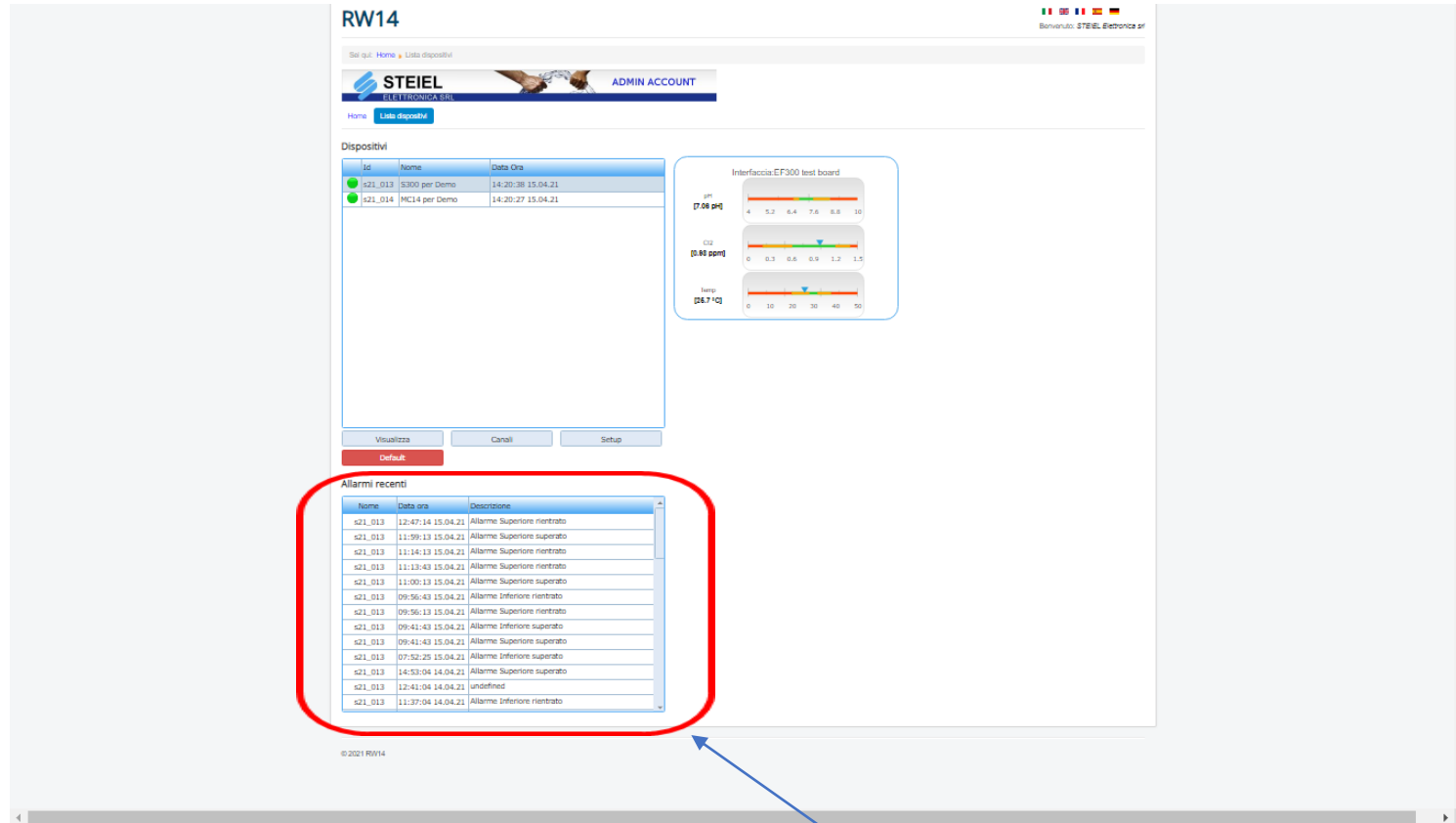
Data e ora (locale)	pH	Cl2	Temp	Note
12:21:43 15.04.21	9.22	0.98	26.2	La pompa dosatrice è disinnescata
12:19:43 15.04.21	9.21	0.98	26.2	
12:17:43 15.04.21	9.21	0.98	26.2	
12:15:43 15.04.21	9.22	0.98	26.2	
12:13:43 15.04.21	9.22	0.98	26.2	
12:11:43 15.04.21	9.21	0.98	26.2	
12:09:43 15.04.21	9.21	0.98	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	
11:49:43 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



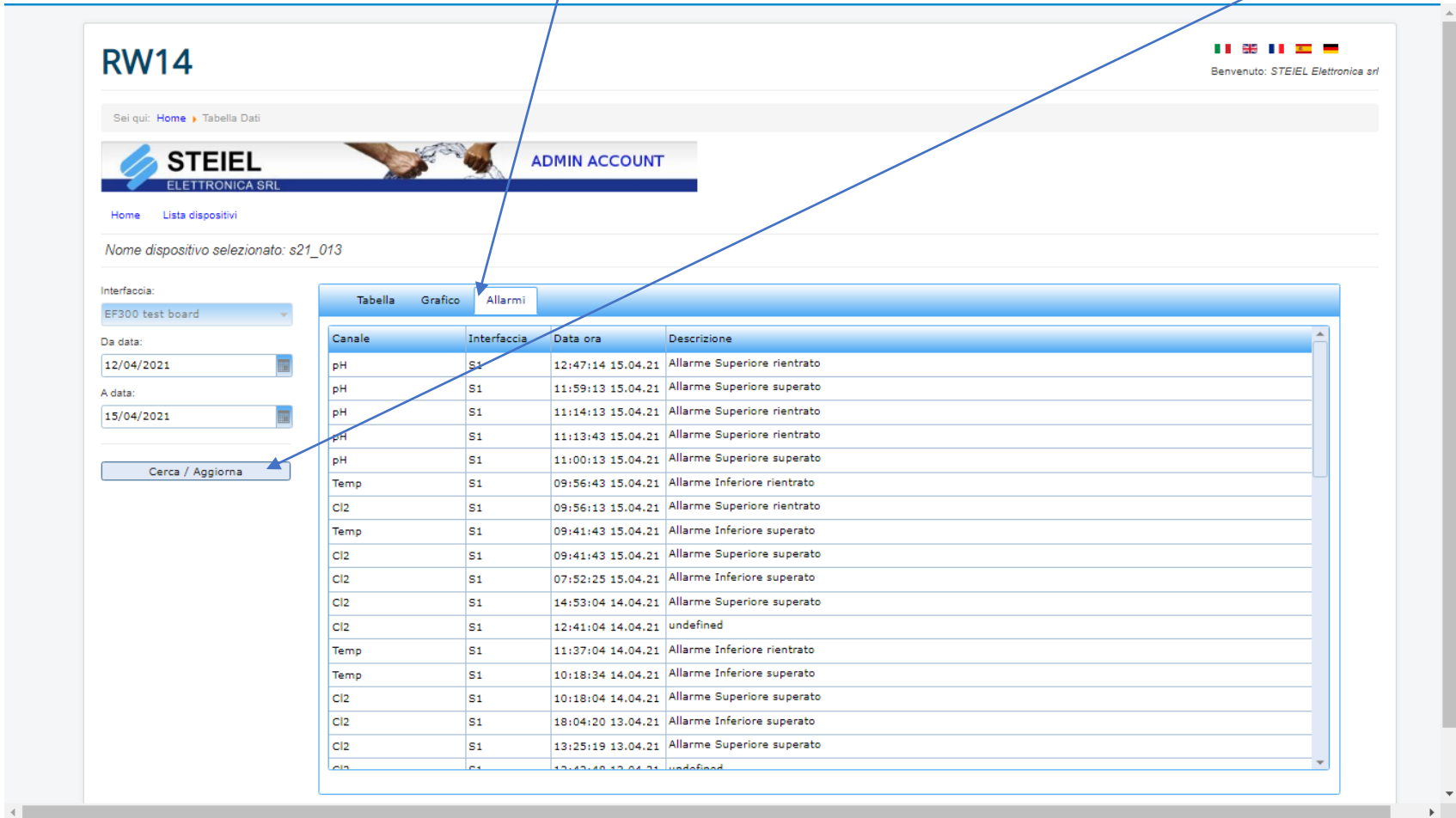
The screenshot shows the STEIEL RW14 web interface. At the top, there's a header with the STEIEL logo, 'RW14', and a language selector. Below the header, there's a navigation bar with 'Home' and 'Lista dispositivi'. The main content area is divided into two sections. The left section, titled 'Dispositivi', contains a table with columns 'Id', 'Nome', and 'Data Ora'. It lists two devices: 's21_013' (S300 per Demo) and 's21_014' (MC14 per Demo). The right section, titled 'Interfaccia EF300 test board', displays three real-time monitoring graphs: pH (7.08 pH), CO2 (0.80 ppm), and Temp (24.9 °C). Below these graphs, there are buttons for 'Visualizza', 'Canali', and 'Setup'. At the bottom, there's a section titled 'Alarmi recenti' (Recent Alarms) which is highlighted with a red box. This section contains a table with columns 'Nome', 'Data ora', and 'Descrizione'. The table lists 15 recent alarms, including 'Allarme Superiore rientrato', 'Allarme Superiore superato', 'Allarme Superiore rientrato', 'Allarme Superiore superato', 'Allarme Superiore rientrato', 'Allarme Superiore superato', 'Allarme Inferiore rientrato', 'Allarme Superiore rientrato', 'Allarme Inferiore superato', 'Allarme Superiore superato', 'Allarme Inferiore superato', 'Allarme Superiore superato', 'Allarme Inferiore superato', 'Allarme Superiore superato', and 'Allarme Inferiore rientrato'. A blue arrow points from the text below to the 'Alarmi recenti' section.

Id	Nome	Data Ora
s21_013	S300 per Demo	14:20:38 15.04.21
s21_014	MC14 per Demo	14:20:27 15.04.21

Nome	Data ora	Descrizione
s21_013	12:47:14 15.04.21	Allarme Superiore rientrato
s21_013	11:59:13 15.04.21	Allarme Superiore superato
s21_013	11:14:13 15.04.21	Allarme Superiore rientrato
s21_013	11:13:43 15.04.21	Allarme Superiore rientrato
s21_013	11:00:13 15.04.21	Allarme Superiore superato
s21_013	09:56:43 15.04.21	Allarme Inferiore rientrato
s21_013	09:56:13 15.04.21	Allarme Superiore rientrato
s21_013	09:41:43 15.04.21	Allarme Inferiore superato
s21_013	09:41:43 15.04.21	Allarme Superiore superato
s21_013	07:52:25 15.04.21	Allarme Inferiore superato
s21_013	14:53:04 14.04.21	Allarme Superiore superato
s21_013	12:41:04 14.04.21	undefined
s21_013	11:37:04 14.04.21	Allarme Inferiore rientrato

The last alarms are displayed on the homepage

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



RW14

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ELETTRONICA SRL

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Nome dispositivo selezionato: s21_013

Interfaccia:
EF300 test board

Da data:
12/04/2021

A data:
15/04/2021

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Alarms

Canale	Interfaccia	Data ora	Descrizione
pH	S1	12:47:14 15.04.21	Allarme Superiore rientrato
pH	S1	11:59:13 15.04.21	Allarme Superiore superato
pH	S1	11:14:13 15.04.21	Allarme Superiore rientrato
pH	S1	11:13:43 15.04.21	Allarme Superiore rientrato
pH	S1	11:00:13 15.04.21	Allarme Superiore superato
Temp	S1	09:56:43 15.04.21	Allarme Inferiore rientrato
Cl2	S1	09:56:13 15.04.21	Allarme Superiore rientrato
Temp	S1	09:41:43 15.04.21	Allarme Inferiore superato
Cl2	S1	09:41:43 15.04.21	Allarme Superiore superato
Cl2	S1	07:52:25 15.04.21	Allarme Inferiore superato
Cl2	S1	14:53:04 14.04.21	Allarme Superiore superato
Cl2	S1	12:41:04 14.04.21	undefined
Temp	S1	11:37:04 14.04.21	Allarme Inferiore rientrato
Temp	S1	10:18:34 14.04.21	Allarme Inferiore superato
Cl2	S1	10:18:04 14.04.21	Allarme Superiore superato
Cl2	S1	18:04:20 13.04.21	Allarme Inferiore superato
Cl2	S1	13:25:19 13.04.21	Allarme Superiore superato
Cl2	S1	12:43:49 13.04.21	undefined

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!

