

**Certikin**



# Meeting Group



**Certikin**

**N  
U  
E  
V  
O  
  
L  
O  
O  
K**

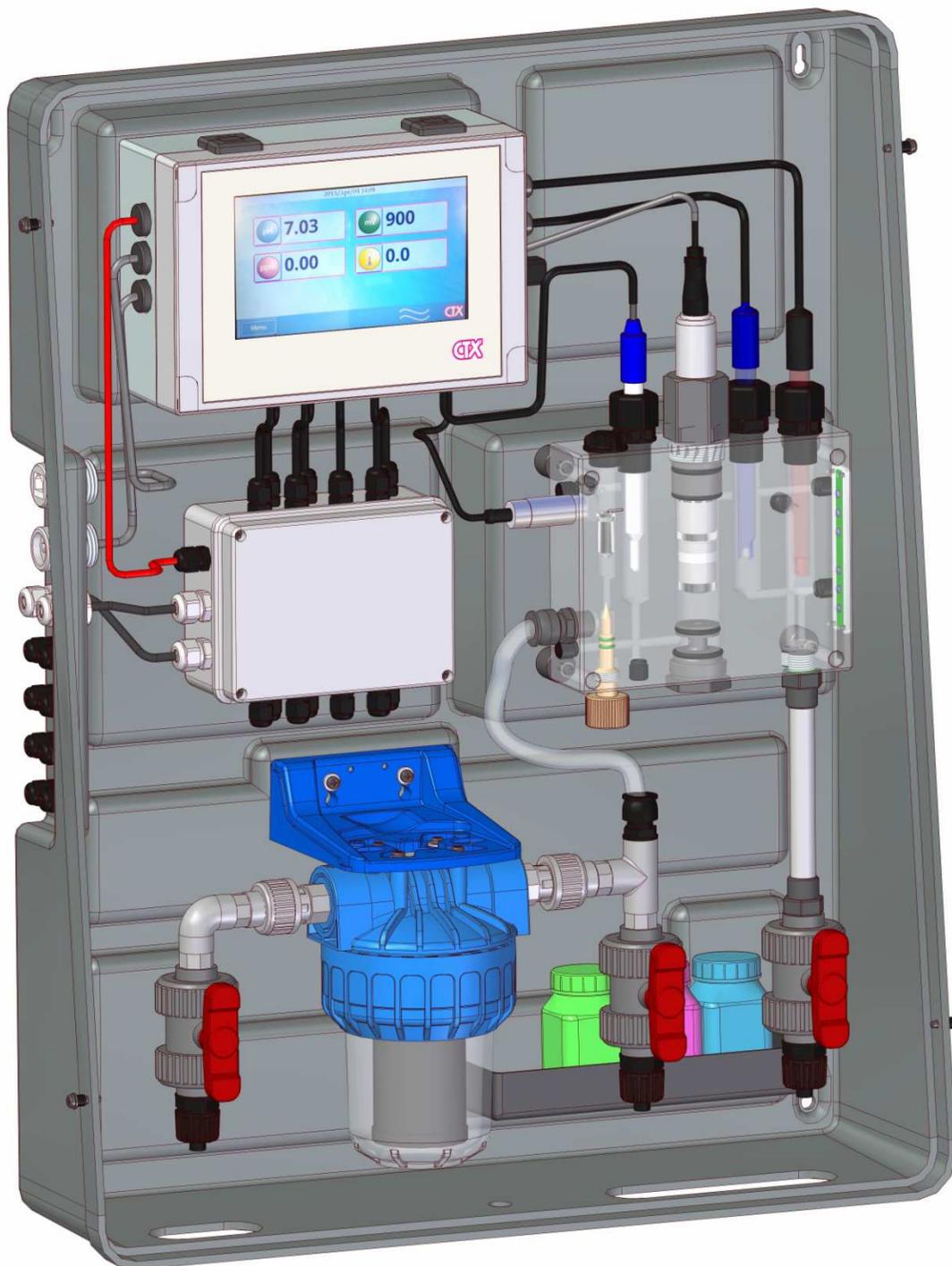
# **GUARDIAN NEXT**



**Certikin**

**N  
E  
W**

**H  
Y  
D  
R  
A  
U  
L  
I  
C**



**G  
U  
A  
R  
D  
I  
A  
N  
  
N  
E  
X  
T**



# GUARDIAN NEXT

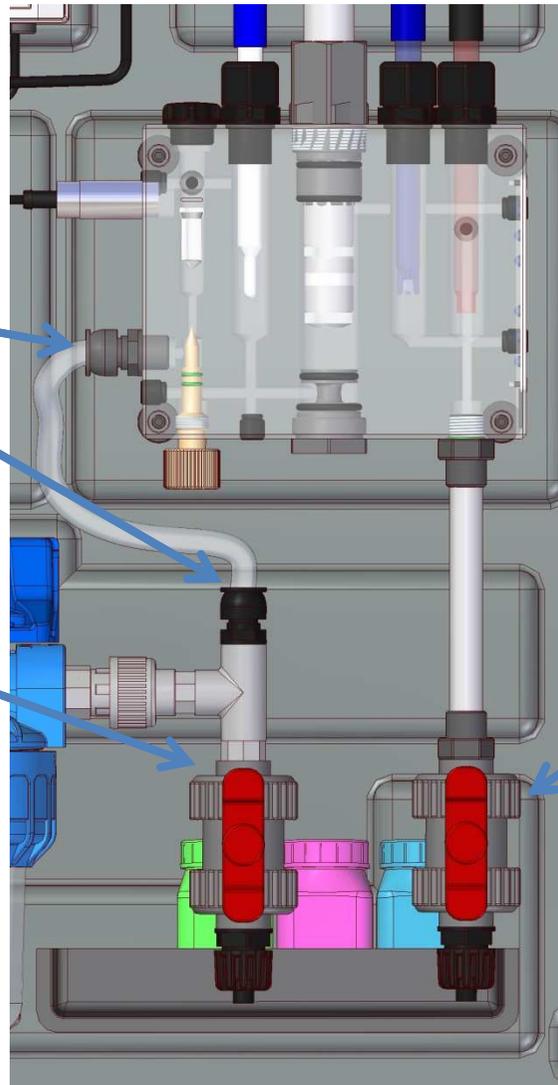
## NUEVO PORTA SONDA



**Conexion  
rapida por el  
tubo 8x12**

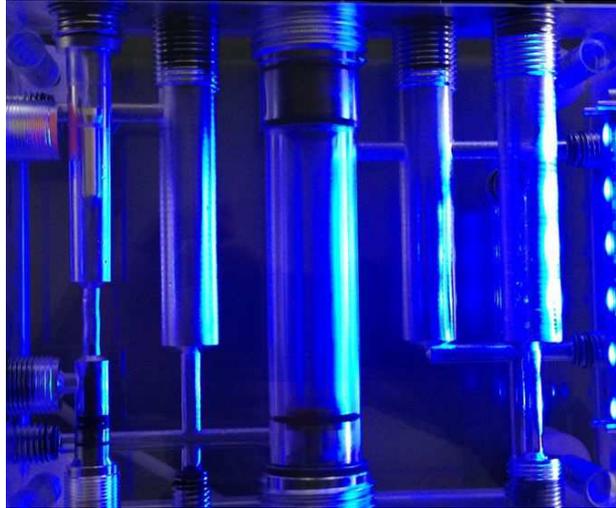
**Salida de  
mustra de  
agua**

**Salida de  
agua**



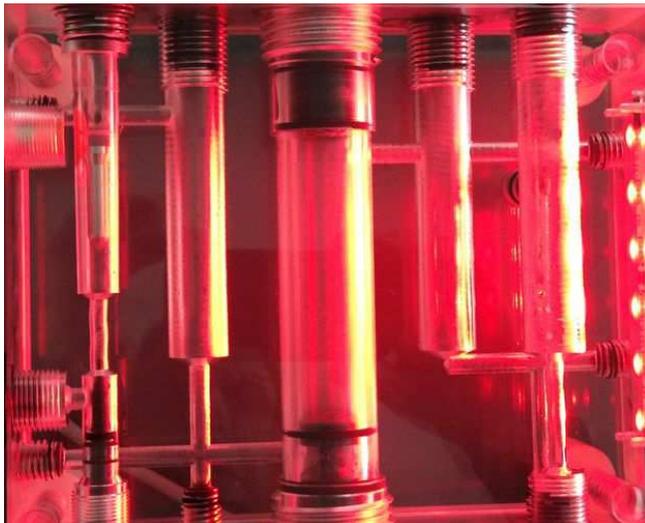
**Certikin**

# GUARDIAN NEXT

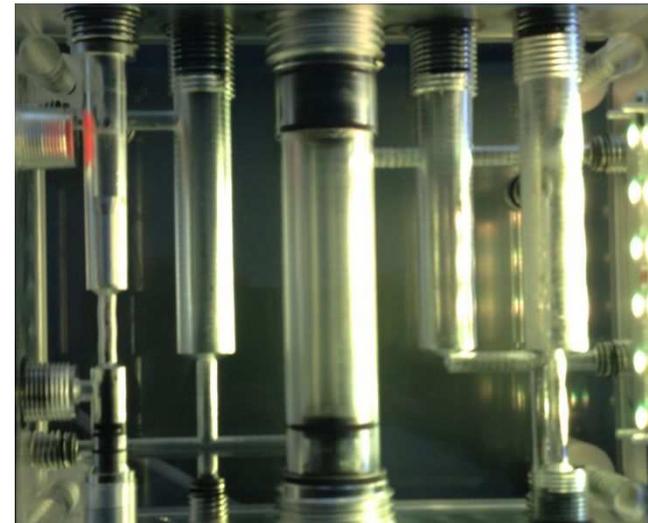


**Centralita  
que  
trabaja  
bien**

**Centralita in alarma**

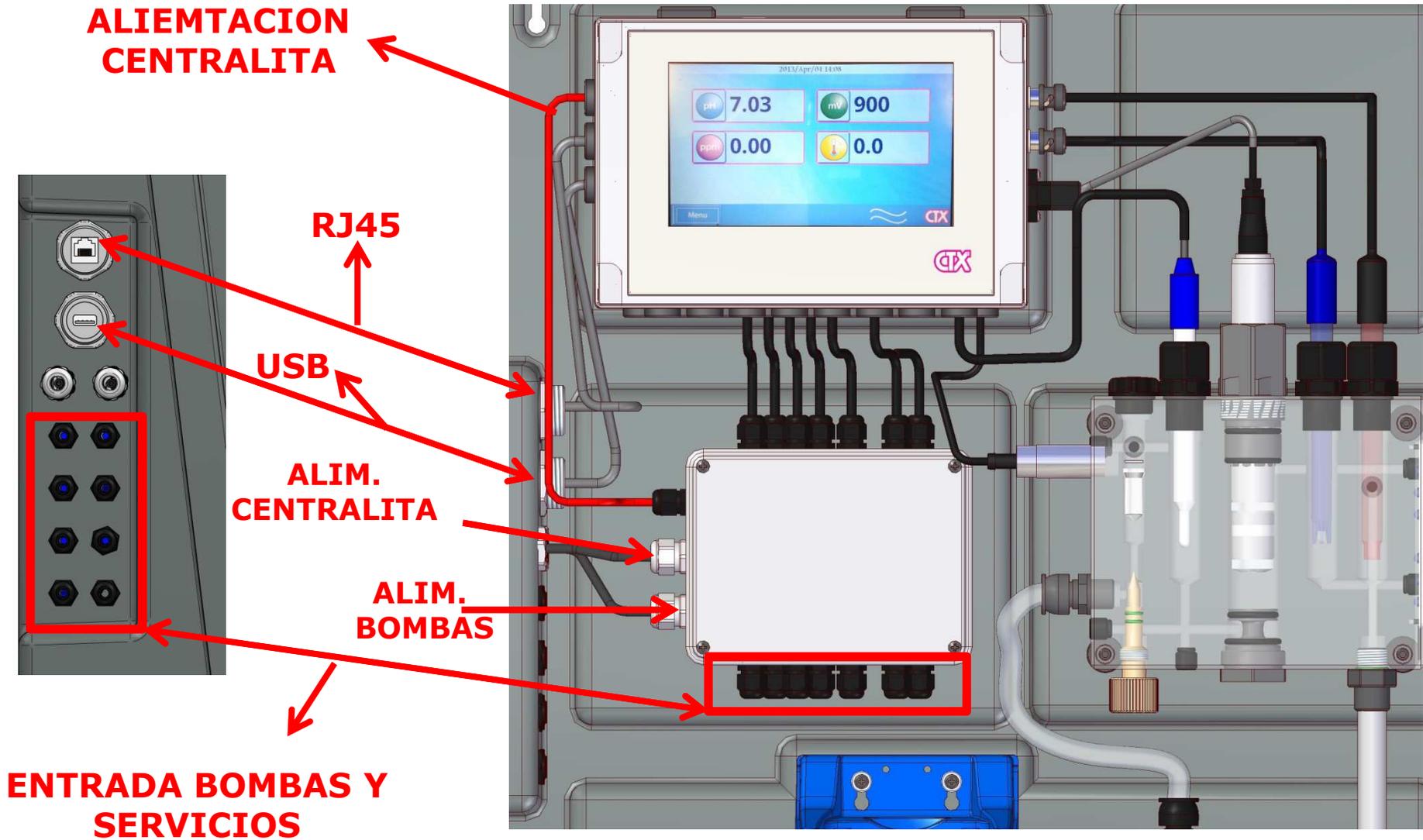


**Centralita sin flujo**





# GUARDIAN NEXT





# GUARDIAN NEXT



**Alimentacion  
centralita**

**Rj45**

**USB**



**pH**

**RX**

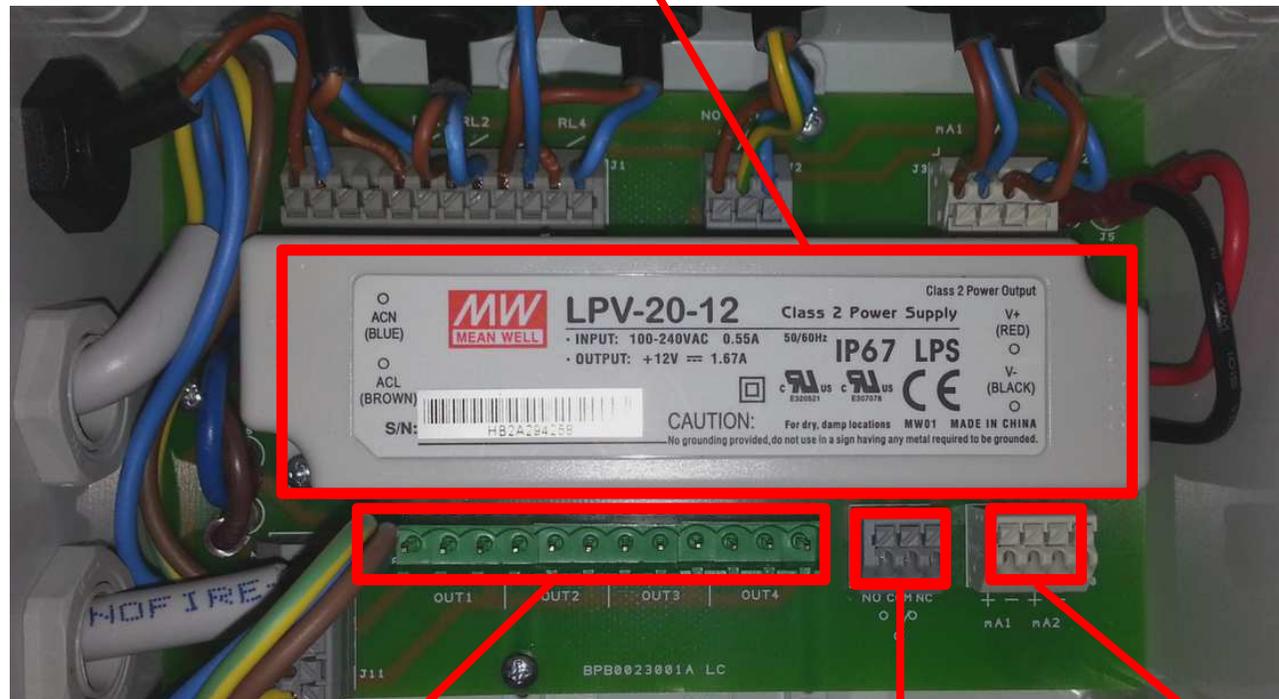
**CI**



# GUARDIAN NEXT



**Alimentados**



**4 salidas alimentadas**

**Salida  
Alarma**

**2 salidas mA**



# GUARDIAN NEXT



- **Pantalla táctil de 7"**
- **Led azul/rojo/amarillo que ilumina el Portasonda en relación de alarma (rojo) o buen estado de funcionamiento (azul) o falta de flujo (amarillo).**
- **Nuevo Portasonda**
- **Caja que incluye todo el panel**



# **GUARDIAN NEXT**



- **Las características de programación son los mismos del Guardián 2013.**

- 

**Esto significa menos curso de formación para los clientes.**

- 

**Novedad:**

**1. Dosificación proporcional por tiempo por la bomba CLSS ON-OFF**

**2. Rele que trabaja en relación a la medida de temperatura**



# GUARDIAN NEXT



## ¿Cómo funciona la dosificación proporcional por la CLASS ON\_OFF

Se trata de una dosificación por tiempo.

Los parametros por el ajuste de la proporcionalidad son:

- Amplitud de la zona de proporcionalidad
- Percentage de trabajo al set point
- Amplitud en segundos de el tiempo de trabajo

Por ejemplo, set point 7 pH, amplitud de la zona de proporcionalidad 1 pH, percentage de trabajo al set point 30%, amplitud de el tiempo de trabajo:

**pH 7**

**30** segundos de trabajo y **70** segundos parada

**pH 7,5**

**65** segundos de trabajo y **35** segundos parada

**pH 8**

**100** segundos de trabajo y **0** segundos parada



# GUARDIAN NEXT



## Dimension





# GUARDIAN NEXT

## MENU BASICO





# GUARDIAN NEXT

## MENU BASICO





# GUARDIAN NEXT

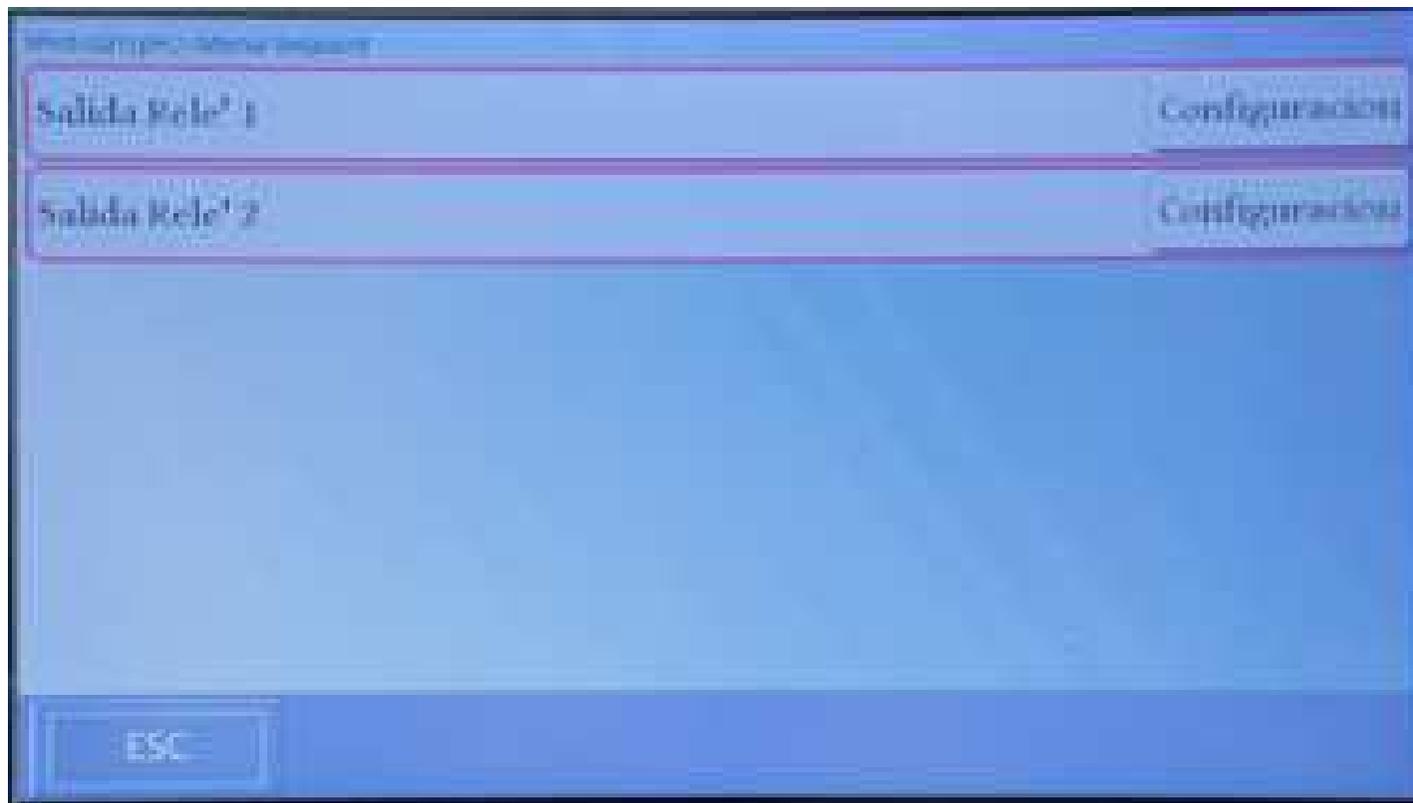
## MENU BASICO





# GUARDIAN NEXT

## MENU BASICO





# GUARDIAN NEXT

## MENU BASICO



Medida y tipo de densificación		Densificación ACIDA ON/OFF
Valor del Setpoint		2.20
Cebado		ON

ESC



# GUARDIAN NEXT

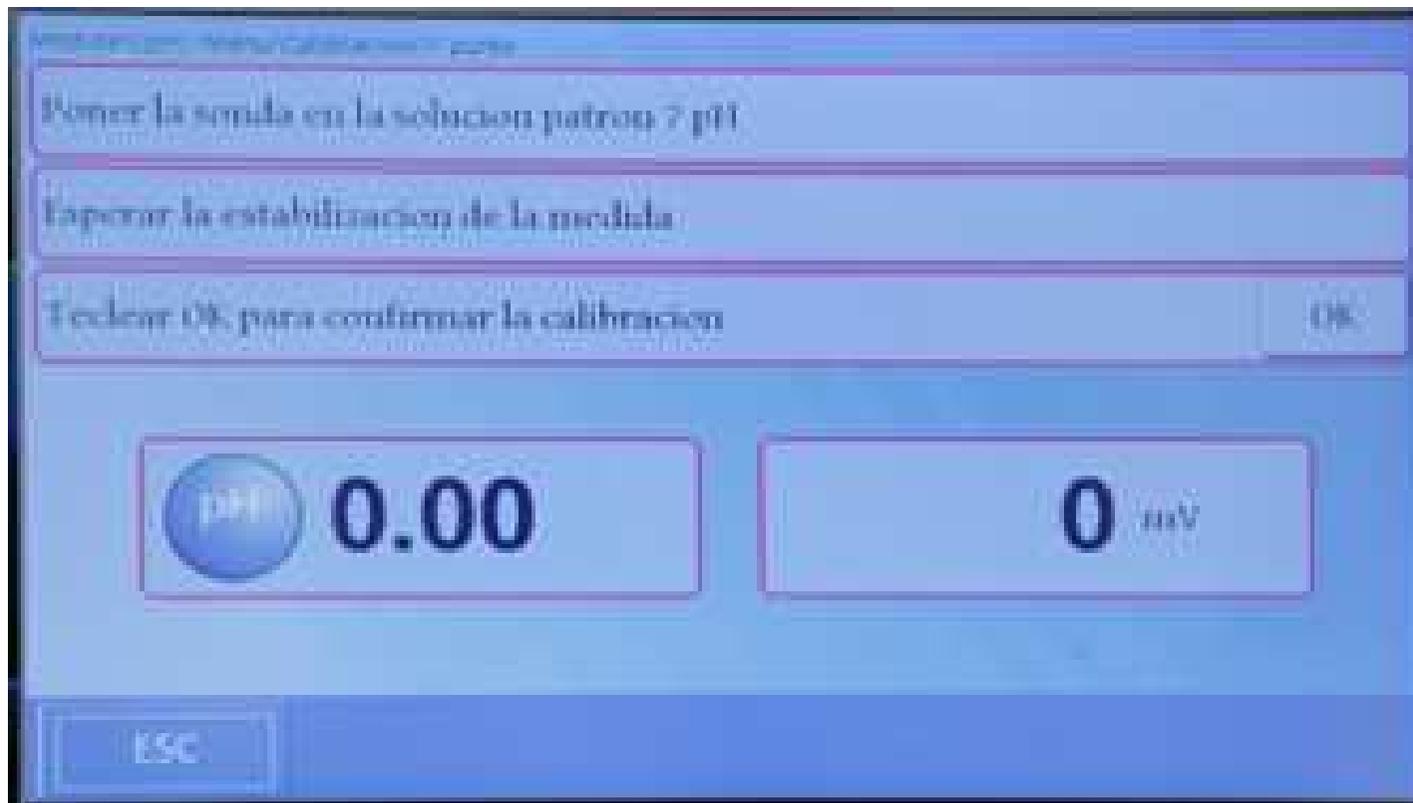
## MENU BASICO





# GUARDIAN NEXT

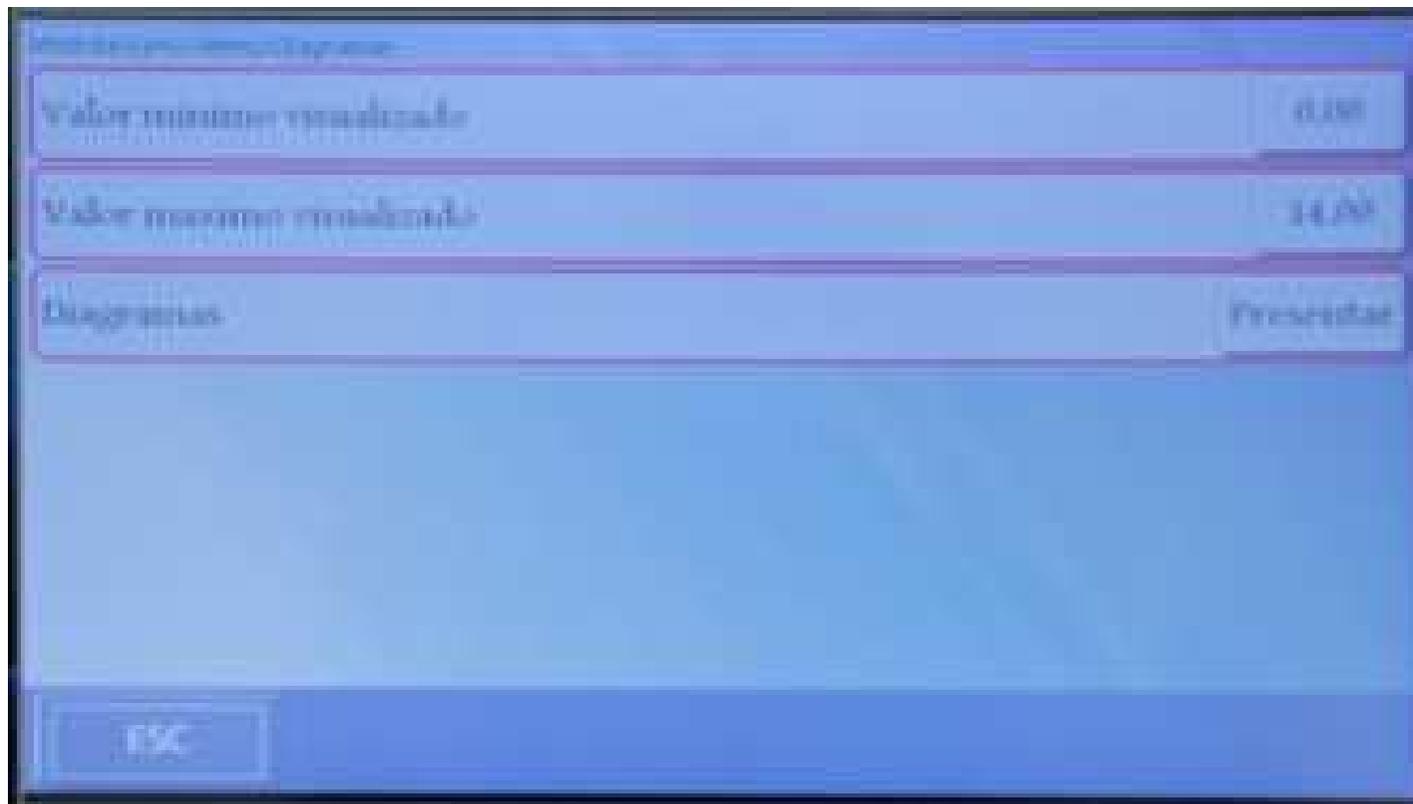
## MENU BASICO





# GUARDIAN NEXT

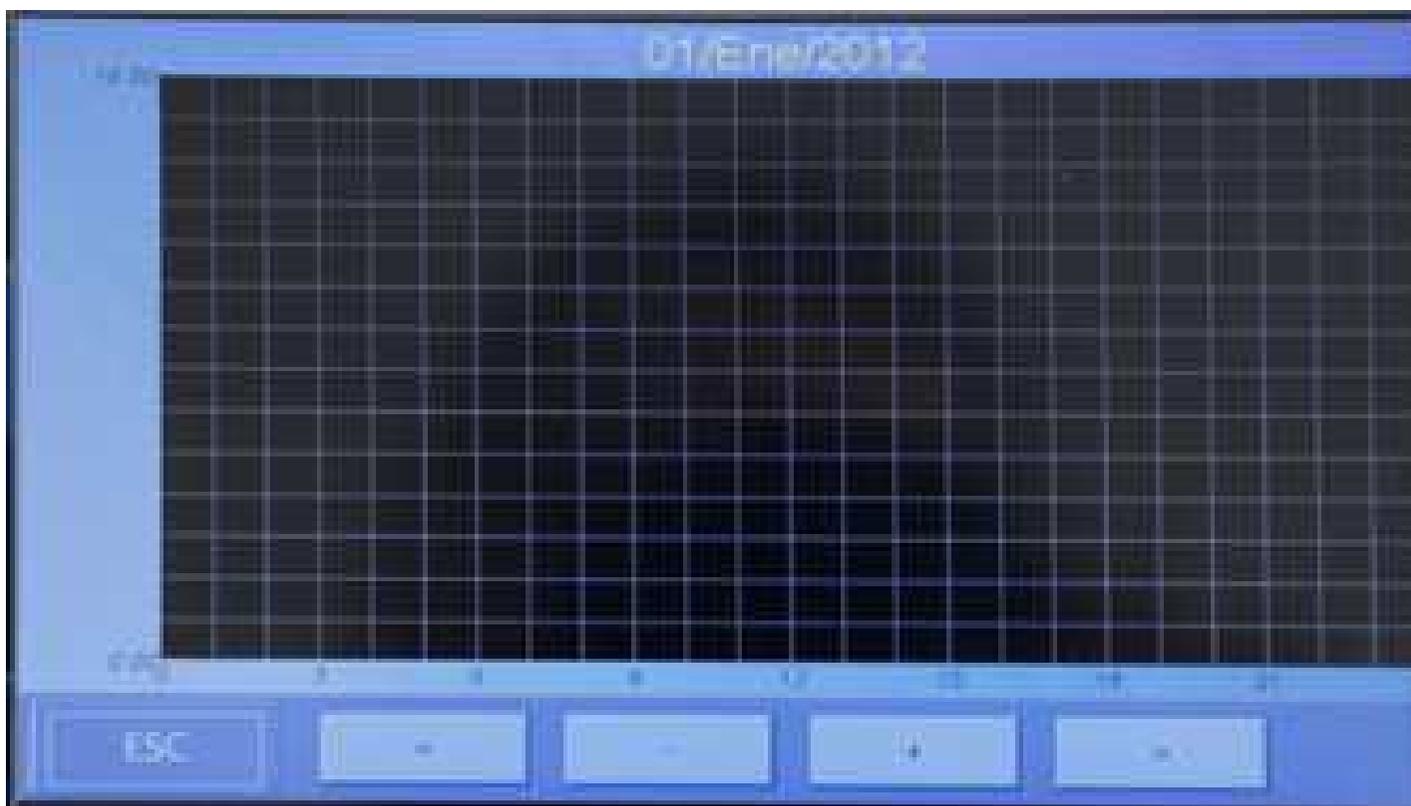
## MENU BASICO





# GUARDIAN NEXT

## MENU BASICO





# GUARDIAN NEXT

## MENU EXPERTO





# GUARDIAN NEXT

## MENU EXPERTO



Dom 01/Ene/2012 23:48

pH 7

ppm  
cl 1

Teclear contraseña

1	2	3	C
4	5	6	CE
7	8	9	ESC
.	0		OK

Poner un numero entre 0y 9999

Menu

CTX



# GUARDIAN NEXT

## MENU EXPERTO





# GUARDIAN NEXT

## MENU EXPERTO



Medida1 (pH) / Menu

Tipo de medida	pH
Setpoint	Configuracion
Calibracion	Configuracion
Alarmas	Configuracion
Retraso de medida (s)	0
Diagramas	Configuracion

ESC



# GUARDIAN NEXT

## MENU EXPERTO



Medida1 (pH) / Menu / Setpoint

Setpoint 1 (Relay 1)	Configuracion
Setpoint 2 (Relay 2)	Configuracion
Setpoint 3 (4-20mA 1)	Configuracion
Setpoint 4 (4-20mA 2)	Configuracion
Nuevo Setpoint	Configuracion

ESC



# GUARDIAN NEXT

## MENU EXPERTO



Medida1(pH) / Menu/Setpoint / 1'Rele' (OUT1)

Medida y tipo de dosificación	Dosificación ACIDA ON/OFF
Valor de Setpoint	7.20
Histeresis	0.10
Retraso de medida	3
Cebado	OK

ESC



# GUARDIAN NEXT

## MENU EXPERTO



Medida1(pH)/Menu/Setpoint/1'Rele' (OUT1)

Medida y tipo de dosificacion	Dosificacion ACIDA proporcional
Valor de Setpoint	7.20
T ON/ T Ciclo (%)	20
T Ciclo (s)	300
Amplitud area de proporcionalidad	0.60
Cebado	OK

ESC



# GUARDIAN NEXT

## MENU EXPERTO



Medida1(pH)/Menu/Setpoint/1'4-20mA (mA1)

Medida y tipo de dosificación	Grabador
Valor de medida @ 4 mA	0.00
Valor de medida @ 20 mA	14.00

ESC



# GUARDIAN NEXT

## MENU EXPERTO



Medida1 (pH) / Menu

Tipo de medida	pH
Setpoint	Configuracion
Calibracion	Configuracion
Alarmas	Configuracion
Retraso de medida (s)	0
Diagramas	Configuracion

ESC



# GUARDIAN NEXT

## MENU EXPERTO



Medida1(pH)/Menu/Alarmas

Alarma de sobredosificacion	0
Alarma de minimo	0.00
Alarma de maximo	14.00

ESC



# GUARDIAN NEXT

## MENU EXPERTO





# GUARDIAN NEXT

## MENU EXPERTO



Medidas(T) / Menu

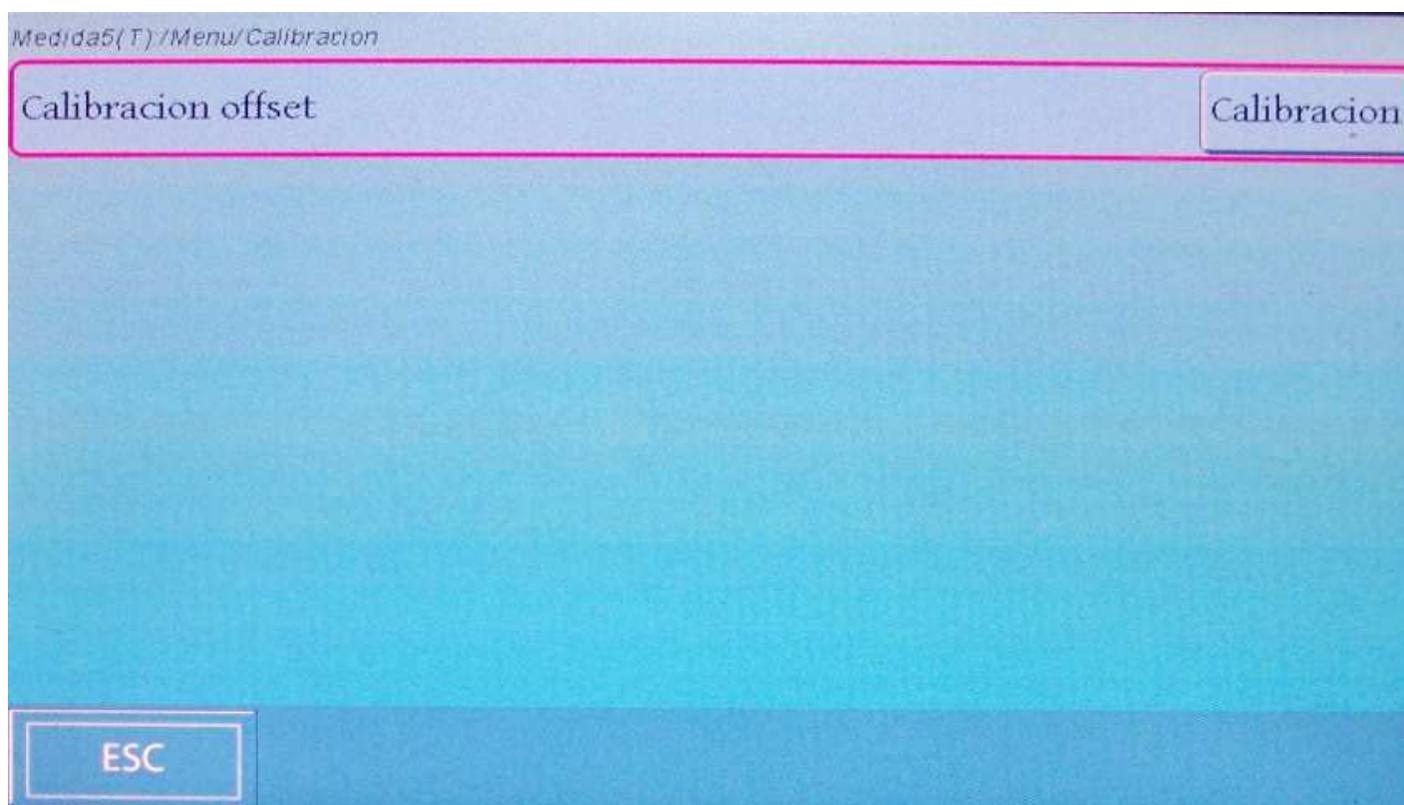
Tipo de medida	T pt100
Setpoint	Configuracion
Calibracion	Configuracion
Alarmas	Configuracion
Retraso de medida (s)	0
Diagramas	Configuracion

ESC



# GUARDIAN NEXT

## MENU EXPERTO





# GUARDIAN NEXT

## MENU EXPERTO



Medida5(T)/Menu/Calibracion/1° punto

Esperar la estabilizacion de la medida

Teclear OK para confirmar la calibracion

 **0.0**

**1025** mV



# GUARDIAN NEXT

## MENU EXPERTO



/Menu Configuracion

Idioma	Castellano
DESACTIVA instrumento	OK
Fecha y hora	Configuracion
LAN	Configuracion
Habilitar contraseña de usuario	Desactivado
Salidas AUX	Configuracion

ESC



# GUARDIAN NEXT

## SALIDAS AUX



/Menu Configuracion/Salidas Aux

Salida Aux No.	<input type="text" value="4"/>	<input type="text" value="6"/>	<input type="text" value="7"/>	<input type="text" value="8"/>	<input type="text" value="9"/>		
Activado	<input type="text" value="Si"/>	Programa no.	<input type="text" value="1"/>	<input type="text" value="2"/>	<input type="text" value="3"/>	<input type="text" value="4"/>	
Dias habilitados	<input type="text" value="Lu"/>	<input type="text" value="Ma"/>	<input type="text" value="Mi"/>	<input type="text" value="Ju"/>	<input type="text" value="Vi"/>	<input type="text" value="Sa"/>	<input type="text" value="Do"/>
Ing.Flujó	<input type="text" value="Ignorado"/>	Dejar dosificación	<input type="text" value="No"/>				
Hora de inicio	<input type="text" value="00:00:00"/>	Duración	<input type="text" value="00:00:00"/>				
<input type="text" value="ESC"/>							



# GUARDIAN NEXT

## LAN

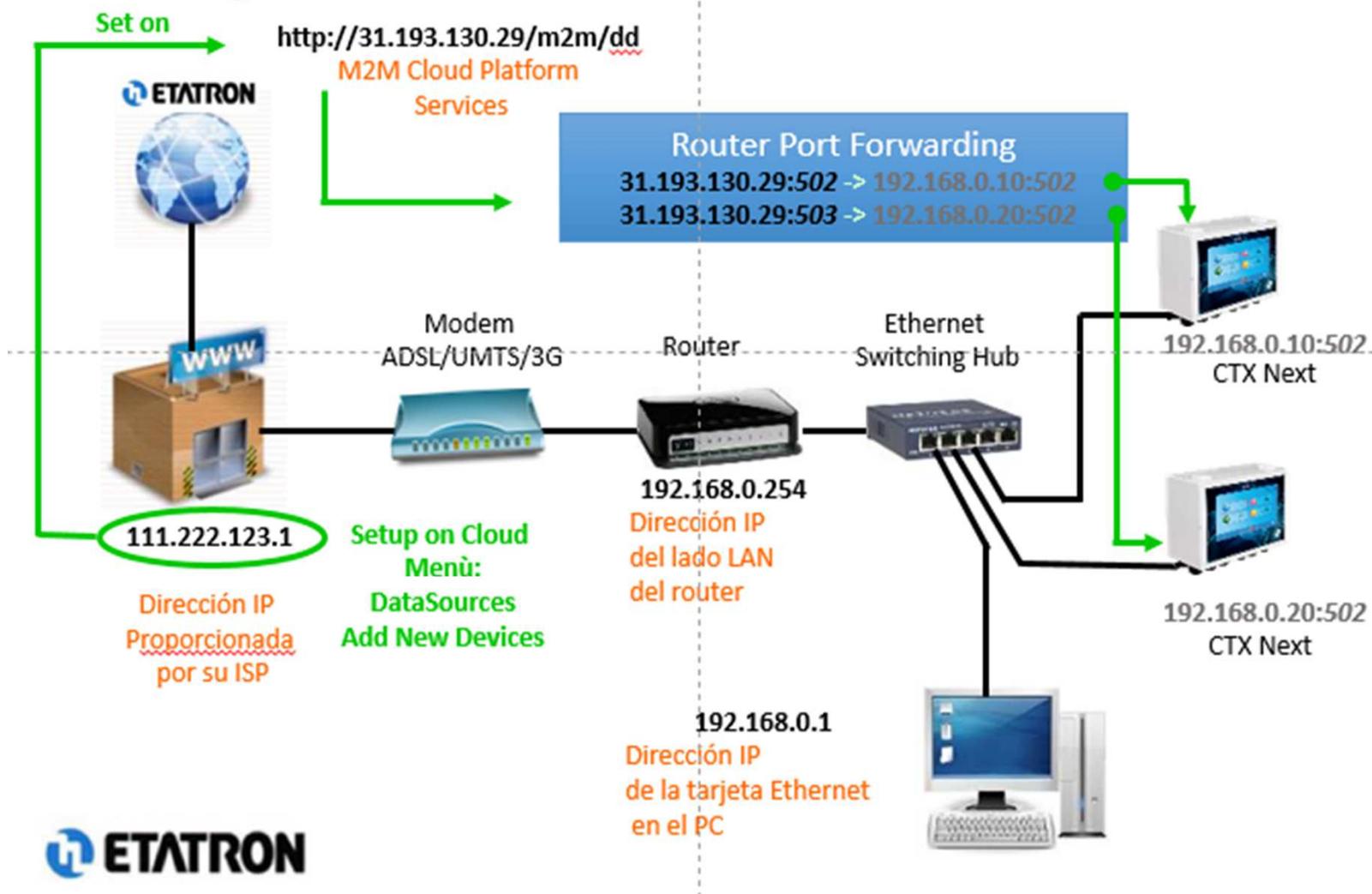


*/Menu Configuración/LAN*

IP Address	0.0.0.0
Gateway Address	0.0.0.0
Net Mask	255.255.255.0

ESC

# Configuración del router





# GUARDIAN NEXT

LAN

A screenshot of a login interface for "Login M2M Real Time Dashboard". The interface is displayed on a dark blue background. It features a central white box containing the following elements:

- The title "Login M2M" in a large, white, sans-serif font.
- The subtitle "Real Time Dashboard" in a smaller, white, sans-serif font.
- A "Login" label followed by a white input field.
- A "Password" label followed by a white input field.
- A blue "Login" button.
- A copyright notice "(C) 2014" in the bottom right corner.



# GUARDIAN NEXT

## LAN



The screenshot shows a web browser window displaying the M2M Dashboard. The address bar shows the URL `http://31.193.130.29/etatron/dd/menu_experto/menu`. The browser's menu bar includes "File", "Modifica", "Visualizza", "Preferiti", and "Strumenti". The page header features the CTX logo on the left and the login information "Login: User75HFi" and "Friday, 13 February 2015" on the right. A navigation bar contains icons and labels for "Devices", "Datasources", "Administrative Configuration", and "Logout". The main content area displays a modal window titled "Status Devices User List" with a sub-message "Records not found". At the bottom, a Windows taskbar is visible with various application icons and a system tray showing the time "17:08" and date "13/02/2015". A password prompt dialog is also present at the bottom of the browser window, asking to save the password for the current site.



# GUARDIAN NEXT

## LAN



The screenshot shows a web browser window displaying the CTX M2M Dashboard. The browser's address bar shows the URL `http://31.193.130.29/etatron/dd/menu_experto/menu_`. The page features a blue header with the CTX logo on the left and the user's login information on the right: "Login: User75HFi" and "Friday, 13 February 2015". Below the header is a navigation menu with icons and labels for "Devices", "Datasources", "Administrative Configuration", and "Logout". On the left side, there is a sidebar menu with "STATUS Devices List" and "Configuration Devices List". The main content area displays a "Status Devices User List" dialog box with a "Records not found" message. At the bottom of the browser window, a security warning from Certikin asks if the user wants to save their password for the site. The Windows taskbar at the very bottom shows the system tray with the date and time: "17:08 13/02/2015".



# GUARDIAN NEXT

LAN



The screenshot shows a web browser window displaying the M2M Dashboard. The address bar shows the URL [http://31.193.130.29/etatron/dd/menu\\_experto/menu\\_experto.php#](http://31.193.130.29/etatron/dd/menu_experto/menu_experto.php#). The page features a blue header with the CTX logo on the left and the login information "Login: User75HF1" and "Friday, 13 February 2015" on the right. Below the header is a navigation menu with icons and labels for "Devices", "Datasources", "Administrative Configuration", and "Logout". The "Devices" menu is expanded, showing sub-options: "Add New Devices" and "Remove Devices". A modal window titled "Status Devices User List" is displayed in the center, containing the text "Records not found". The footer of the page includes the text "Dealer:" on the left and "(C) Certikin" on the right. The Windows taskbar at the bottom shows the system tray with the date "13/02/2015" and time "17:09".



# GUARDIAN NEXT

## LAN



The screenshot shows a web browser window displaying the M2M Dashboard. The address bar shows the URL `http://31.193.130.29/etatron/dd/menu_experto/menu_`. The page header includes the CTX logo on the left and the login information "Login: User75HFj" and "Friday, 13 February 2015" on the right. The main navigation bar contains several menu items: "Devices", "Datasources", "Administrative Configuration", and "Logout". A dropdown menu is open under "Administrative Configuration", showing options: "Change Password", "Edit User", and "Add New User". A modal window titled "Status Devices User List" is displayed in the center, with the message "Records not found" below the title. The footer of the page includes "Dealer:" on the left and "(C) Certikin" on the right. The Windows taskbar at the bottom shows the system tray with the time "17:10" and date "13/02/2015".



# GUARDIAN NEXT

## LAN



The screenshot shows a web browser window displaying the M2M Dashboard. The address bar shows the URL [http://31.193.130.29/etatron/dd/menu\\_experto/menu\\_](http://31.193.130.29/etatron/dd/menu_experto/menu_). The page features a blue header with the CTX logo and a navigation menu with items: Devices, Datasources, Administrative Configuration, and Logout. A login status indicator in the top right corner shows 'Login: User75HF' and 'Friday, 13 February 2016'. The main content area is a dark background with water droplets, and a modal window titled 'Add Users' is open. The form includes fields for Login, Name, Email, Password, and Confirm Password. Below these are sections for 'Zone' (Company, Country, Area, Region, City) and 'User Administration Privileges' (Active, Create User Privilege, User Expert, Set Privilege), each with radio button options for 'Y' and 'N'. There is also a section for 'Operators Email' with six input fields. A 'Required field' label is present at the bottom left of the form, and an 'Add' button is at the bottom right. The Windows taskbar at the bottom shows various application icons and the system tray with the time 17:11 and date 13/02/2015.



# GUARDIAN NEXT

## LAN





# GUARDIAN NEXT

## LAN



### Create Device

**Add**

**Users**

Dealer group \*  User \*  Categories  **Edit**

TCP/IP Parameters		Device type			
IP address *	Port *	Name *	Alias *	Serial number *	Note
<input type="text" value="127.0.0.1"/>	<input type="text" value="502"/>	<input type="text" value="Eatron eSelect B4"/>	<input type="text" value="eSelect B4 test device"/>	<input type="text" value="000000000"/>	<input type="text" value="put here any additional information"/>

Geolocation			Networking setup	
Site *	Date *		Timeout in msec *	Retries *
<input type="text" value="put here the installation site"/>	<input type="text" value="02/25/2014"/> <input type="text" value="mm/dd/yyyy"/>		<input type="text" value="900"/>	<input type="text" value="2"/>
Latitude *	Longitude *		Override data every *	
<input type="text" value="put here the site gr"/>	<input type="text" value="put here the site gr"/>		<input type="text" value="5"/> <input type="text" value="years"/>	
Timezone *			Discard delay in ms *	
<input type="text" value="(GMT +1:00 hour) Brussels, Copenhagen, Madrid, Paris, Rome"/>			<input type="text" value="2,200"/>	

Data acquisition		Device time sync	
Interval logging *	Polling interval *	Time synch	
<input type="text" value="15"/> <input type="text" value="minutes"/>	<input type="text" value="1"/> <input type="text" value="minutes"/>	<input type="text" value="every week"/>	
Logging action			
<input type="text" value="instant"/>			

\* Required field

Realtime system Update



# GUARDIAN NEXT

## LAN



 **Update Device**

Save Back

**Users**

Company  Dealer group  User  Categories  Edit

**TCP/IP Parameters** **Device type**

IP address  Port  Name  Alias  Serial number  Note

**Geolocalization** **Networking setup**

Site  Date  mm/dd/yyyy  
Latitude  Longitude  Timeout in msec  Retries   
Timezone  Override data every  years  
Discard delay in ms

**Data acquisition** **Device time sync**

Interval logging  minutes Polling interval  minutes Time synch   
Logging action

\* Required field

Realtime system Update



# GUARDIAN NEXT

LAN



 **Measure# 1** pH

Device: eSelect B4 test device Installation Site: via dei Ranuncoli, 12

 Set Point  Set Point  Set Point  Set Point  Set Point  Set Point

**Set Point Relay**

Type relay	Used channel	Point value	Hysteresys
ON-OFF Inverse <input type="button" value="v"/>	out 01	7.2	0.1

Delay (sec)

3

**Set Point TTL**

Type TTL

Not Used

**Set Point 4-20 mA**

Type 4-20 mA

Not Used

**Alarm Thresholds**

Lower threshold	Upper threshold	Overdosing (min)
7	14	0



# GUARDIAN NEXT

## LAN



 **Base configuration**

Reload defaults | Time synch | Set | Exit

**Firmware Revision**

1.5

**Zone**

Date	Time	Timezone
25/01/2012	00:55:12 hh:mm:ss	CET +1 hours

**setup\_device**

Language

Operational state

Password enable

User password

**Certikin**



**FIN**

**4 Abril 2013**