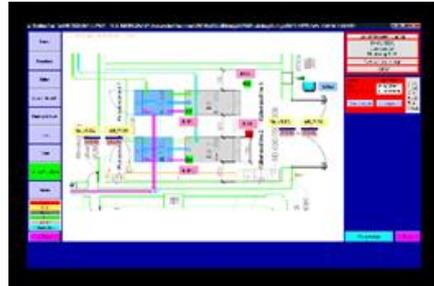


OPERATING MANUAL Touchscreen-Infodisplay / GASVIS+ V15.0

Visualisation Software for Panel-PCs, Touchscreens, PCs and Laptops
for UMSITEC Gas Detection Systems



Touchscreen with wall mounted housing

Functional Diagram:

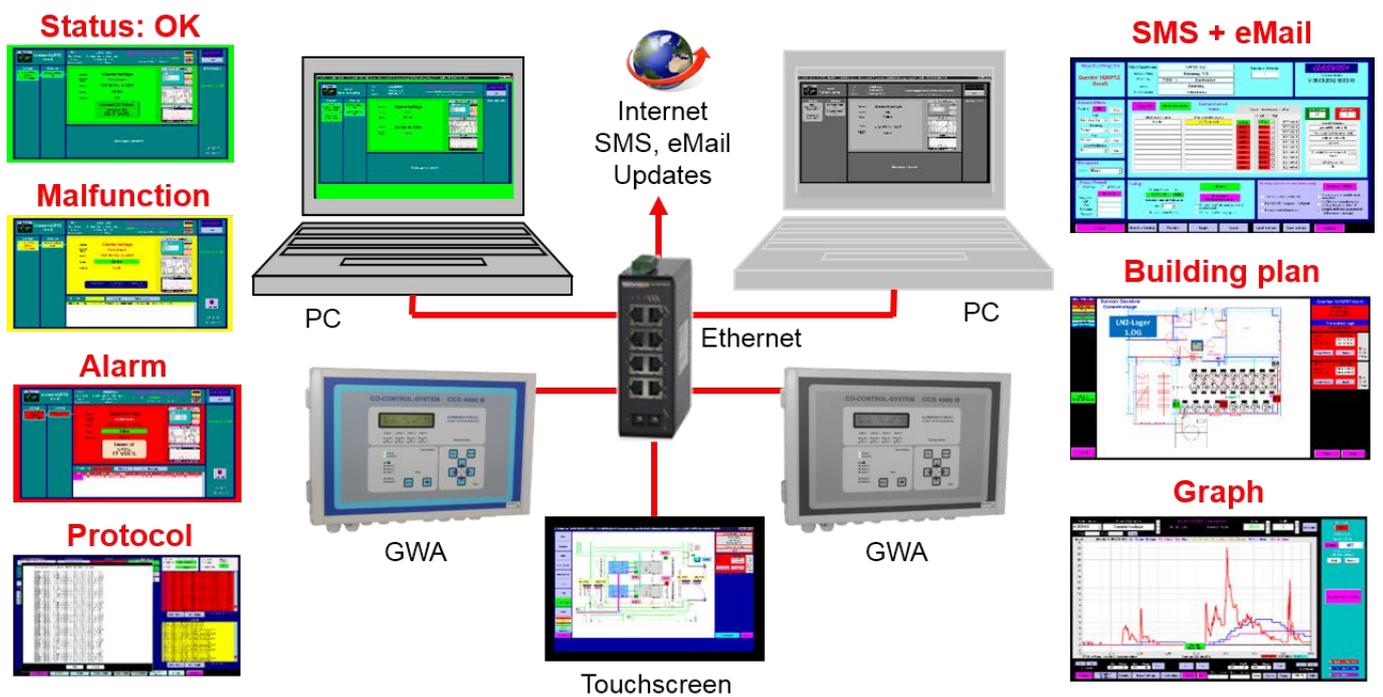


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Application

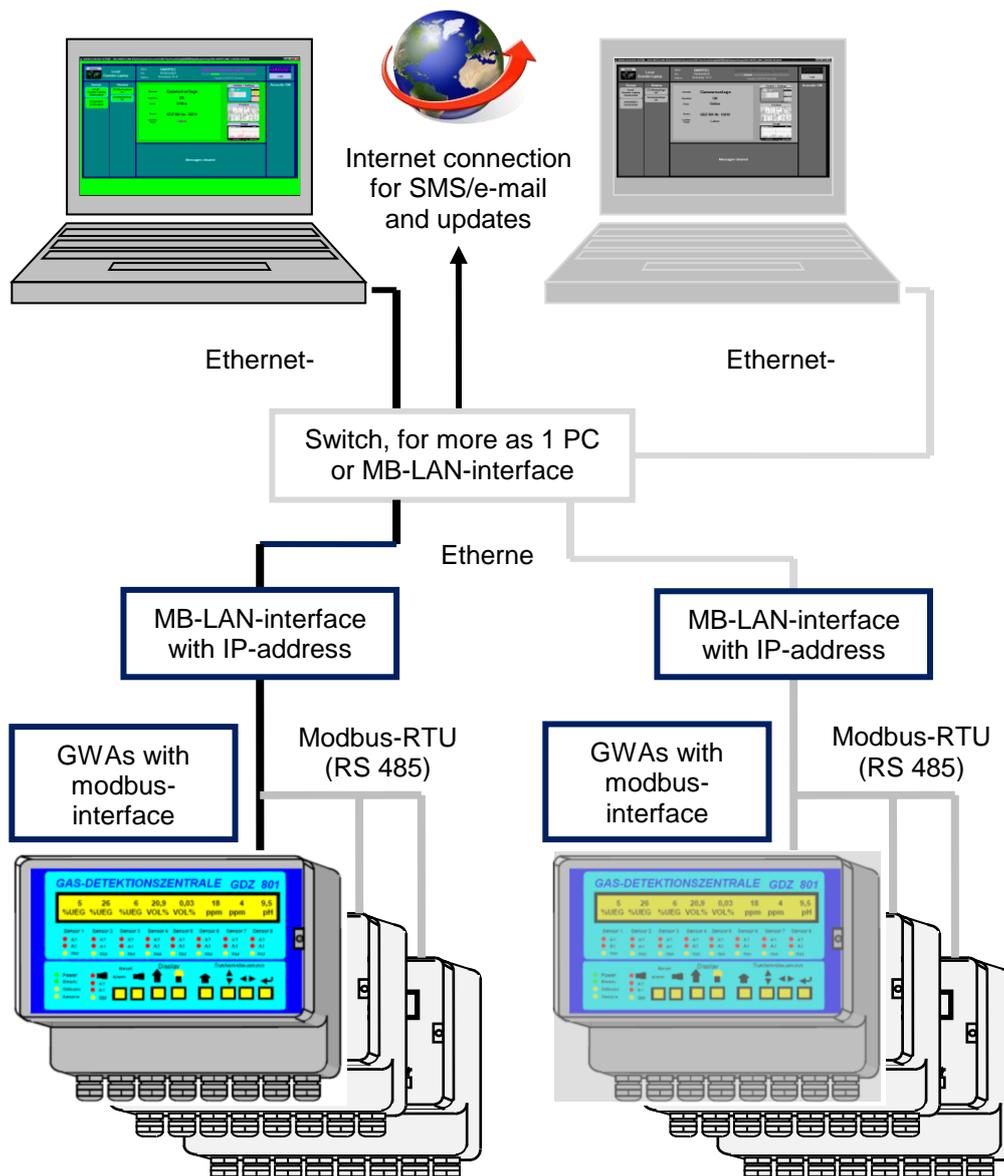
The software GASVIS+ serves for:

- Query and visualisation of operational data of gas detection systems.
- Display of the reading gas concentrations of respective measuring points as well as their recording and graphic presentation.
- Presentation of measuring points or actuators positions on building plans as well as their alarm or Fault condition and its current readings.
- Recording of alarm and fault conditions of systems and sensors.
- In case of an alarm the print-out of the building or zone plan and the measured value graph of the relevant Measuring point on any printer e.g. for the management of the emergency services or the fire department.
- When an alarm or fault condition occurs, SMS or e-mails are sent to alert the operating or service personnel.

The Visualisation System

For the development of reporting and visualisation system, you need the following means:

- one or more gas alarm systems
- one or more computers with an Ethernet interface resp. touch-screen information displays and Windows operating systems (2000,XP,Vista, Windows 7) and a display $\geq 1280 \times 768$ (ideal: 1366×768) pixels
- an appropriate GWA-LAN interface for each UMSITEC gas warning system:
- possibly a multi-switch for connecting the components via the Ethernet network.
- an optional internet connection (either directly or through a proxy server)
- Software „GASVIS+“
- Mobile phones
- optionally a personal e-mail provider (only for sending e-mails)



Download and Installation

The links to the user manual and the installation file can be found on our homepage: (note the underscore)
https://www.umsitec-shop.de/epages/62925205.sf/de_DE/?ObjectPath=/Shops/62925205/Products/GASVIS

The installation file for windows 64-bit is also available directly under the following link:
https://www.umsitec-shop.de/epages/62925205.sf/de_DE/?ObjectPath=/Shops/62925205/Products/GASVIS

1. For the current decryption password please call 0049 711 3414159.
2. Stop any GASVIS that may be running.
3. Run the link (Ctrl + left mouse button) and download the file GASVIS-Package.zip.
4. Save the file into a download folder (click "save as")
5. Unzip the file in the download folder (right mouse button, then click on "all unzip")
6. Open the password-protected zip file by double-clicking the file with the mouse.
7. Remove the password by double clicking on the GASVIS_Package.exe file contained in it and enter the password for decryption.
8. Run GASVIS_Package.exe as an administrator for increased access with the installation. (click the file with right mouse button then click run as administrator) in the open folder.
9. In the installation dialog, select your desired directory for the GASVIS program or use the proposed directory C: \ GASVIS.
(Program directories such as C: \ Program Files or C: \ Programs (x86) are not suitable because they require increased access rights that can cause difficulties when storing log data)

Note: the program must be able to receive write permission for the selected directory. If the user does not have administrator rights, this is often difficult and later error messages occur when recording log data.

If you have already installed the program in past, i. to carry out an update:

Select your existing directory with the older installation already in use.

(In this case, only the program files are renewed, their previous settings are retained)

10. Start the installation in the installation dialog by clicking on the button with the laptop icon.



11. **IMPORTANT:** If the setup on the computer finds a newer version of a file to be installed, answer the query "if you want to keep the newer file (Keep this file) ?" always with **yes (Yes)**.

12. Especially if you are updating from a very old version (before 2010), are the previous log files i.c.c. only usable with the old Gasvis.exe.

To keep the previous files, rename the "Protocols" folder, for example. in "Protocols Backup".
If the data is no longer needed, you can also delete this folder.

If you run other computers as GASVIS servers that are linked together, delete also the folder "server", since then also it contains protocols.

However, you should **first overinstall the program on the servers** and rename the Protocols folder or before you query the servers again and the old files are retrieved automatically.

13. Establish a reference to the GASVIS.exe file
 - save the reference to the desktop, so you can start the program easily
 - **copy the reference to the AUTOSTART folder**, for an automatic program startFor to open AUTOSTART folder type "shell:startup" in the Windows run dialog
(You can always get to the run dialog by just hitting Win + R on your keyboard)
14. If you are installing to a PC with an Internet connection,
first insert always after installation an update (see following page)
15. Set up the area according to your wishes and needs.
Log in - Password "adm1" –
and start with the administrator interface "Basic Settings"

GASVIS move from PC1 to another PC2

1. To get the necessary new functions, perform an UPDATE on the original computer PC1 (see page 6)

Or start GASVIS SETUP.exe in the new GASVIS_Package, and overinstall GASVIS on the original PC1 into the previous directory.
2. Install GASVIS on the new PC2 and also perform an UPDATE there.
3. Go to the **Im- / Export / Backup form** and create a **GASVIS-INI copy** by one of the following measures:
 - a. Export a '**Copy of all GASVIS and plant parameters**' from PC1 to a stick. (EXPORT to USB stick)
 - b. Save a '**Copy of all GASVIS and equipment parameters**' from PC1 to a folder of your choice (SAVE as a file)
 - c. Send a '**copy of all GASVIS and system parameters**' from PC1 as a ZIP file by e-mail (Send ZIP as e-mail)
5. Import the data on PC2 by one of the following measures
 - a. Import the '**Copy of all parameter settings**' from the stick to PC2. (IMPORT from USB stick)
 - b. Save the GASVIS-INI copy or the GASVIS-INI copy.ZIP file to the GASVIS directory on PC2 and import the data with the button IMPORT from File
6. On PC2, reload the **file with the previous settings** from the '**Settings**' folder. (Log in \ Load settings)

Note: If settings are imported from another PC, the e-mail and SMS sending is deactivated, to prevent unwanted sending.
If necessary, activate these functions again with the buttons 'E-Mail order' or 'SMS order'
If necessary, adjust the corresponding settings in the **Basic Settings** form.

Hotline: 0711 34 14 159

The screenshot shows the 'Im-/Export/Backup' window in the GASVIS software. The window title is 'Im-/Export/Backup'. The interface includes the following elements:

- Backup:** A red button labeled 'OFF'.
- Path for permanent Backups:** A text field containing 'E:\' and a 'Change path' button.
- Year and Month:** Spinners for 'Year' (set to 2019) and 'Month' (set to 4).
- Monthly/yearly records incl. alarms and faults:** A text field.
- Parameterfiles of Device(s):** A section with two radio buttons: 'Copy of all GASVIS- and Device parameter' (selected) and 'Gasvis.exe + Standard Media'.
- Type / No.:** Text 'GDZ Test1' and 'CCZ4500B No.: 171269'.
- Server:** Text 'GUENTER-LT (local)'.
- Progress:** A label above several empty progress bars.
- eMail destination address:** A text field containing 'info@umsitec.de'.
- Buttons:** A grid of buttons at the bottom: 'EXPORT to USB-Stick' (green), 'SAVE as File' (green), 'Send ZIP as eMAIL' (green), 'IMPORT from USB-Stick' (blue), 'IMPORT from File' (blue), 'File Explorer' (orange), 'Close' (pink), and 'Abort' (grey).

Importing a GASVIS-UPDATE:



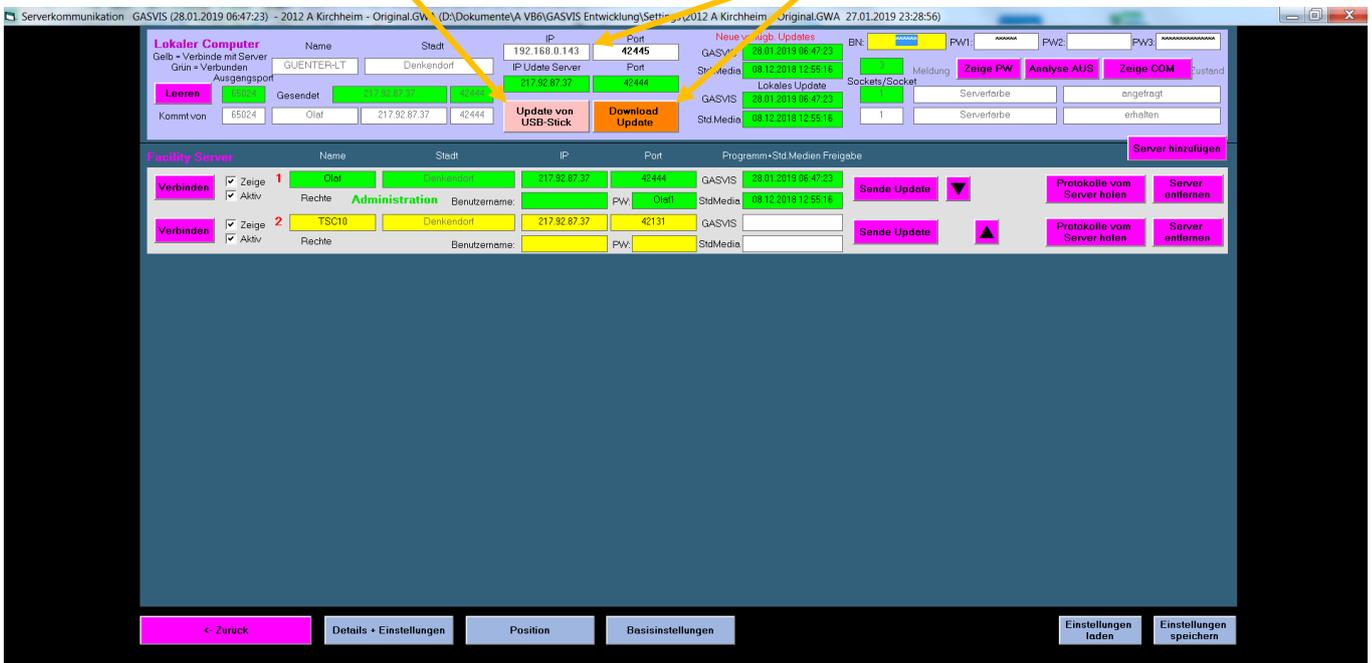
1. Log in



2. Server / Updates

3. Download Update
from USB-Stick

or from Update-Server
(IP: 217.97.87.37 Port: 42444)

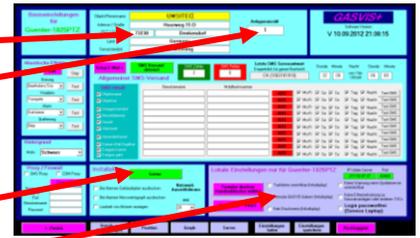


After pressing the button **Download Update** the update will be downloaded. Thereafter GASVIS shuts down and then restarts. This can take up to 30 seconds, depending on the PC hardware.

Basic Settings after the Initial Installation

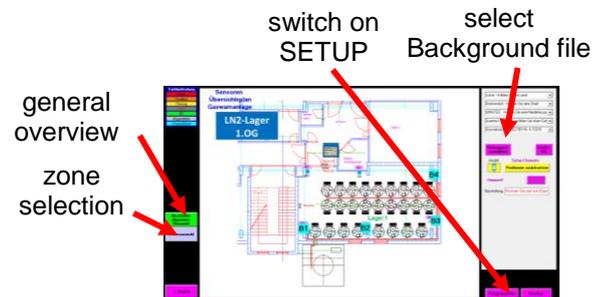
Project Settings:

1. Enter the company name of the applicant and the location of the company.
Adjust the number of existing gas warning systems
2. Enter the **number of units to be retrieved directly from this computer**
(If a 0 is entered, only the other servers are queried,
which in turn query attachments)
3. "License" button:
Ask for License number and release GASVIS
4. Presetting as Infodisplay:
"Taskbar invisible (Infodisplay)"
"Fix form GASVIS (Infodisplay)"
"No print menu"



Building plan

1. Insert the building plan:
Either as a general overview for all zones
or as a picture for several fixed building zones (Zone 5 ..)
- Building plan in .GIF format from the directory
"Backgrounds"



2. After connecting the system use the mouse to drag the measuring point symbols to the desired location.
If necessary, the measuring number can also be specified in the "Number" field.

Details and Settings

1. Enter your description of the installations.
Gas warning system, "GWA-01", "GWA heating", "GWA cold"
2. Enter the location of this facility in the company.
"Laboratory", "heating center", "cooling center"
3. Select the alarm levels (green) which puts the infodisplay
in state of alarm and SMS and e-mails creates alarm levels
(grey, i. g. for ventilation levels) that are suppressed.
4. Enter the IP address and port of the device server module associated with this device.
If the system has a Modbus connection, enter the Modbus address of the respective system
(1..255), otherwise select "GMS 4500 B"

Anlagensynonym IP-Adresse des Ethernetmoduls der Anlage Port des Ethernetmoduls der Anlage



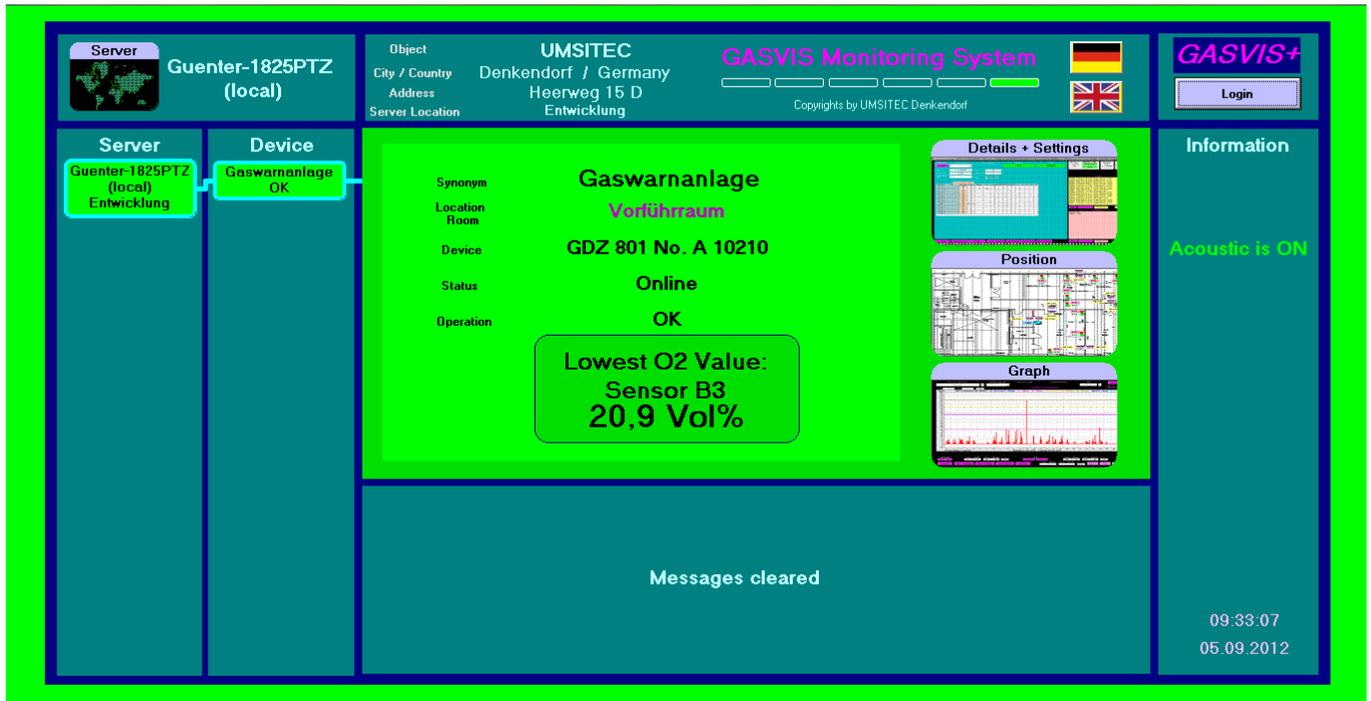
Establish Further Contact with the Infodisplays:

Add Server

1. Add a server button for each additional infodisplay, so that they can communicate with each other on site.
2. Read the IP address and port of the other infodisplay
3. and enter the data into the input fields
4. Press the "Connect" button.
If the connection can be established, the green fields and the data of the other fields are filled out
5. The other Infodisplay will appear on the main screen in the Server column.



User Interface: „Main Window“ (Everything OK, no alarm or fault messages)



Picture: Everything OK
GASVIS main window with 1 system at the local server

Selection flag buttons „German“, „English“: selection of the language

Selection buttons „Server“:
Selection of the local server or other GASVIS facility server e.g. in an external building.

Selection buttons „Device“:
Selection of a system on the selected server.

Button „Details and Settings“:
Access to special system settings and tabular displays of the single measuring point values and alarm and fault logs.

Button „Position“:
Access to the building plan of the selected system with display of the sensor states.

Button „Graph“:
Access to the visualization of the measured values as a curve graph.

Button „Login“:
The button allows access to the surface of the fundamental basic settings such as object address, SMS and e-mail addresses. The access is password protected.

In the middle of the window is the **System-INFOBOX** with the current short information about the selected system.

The display color of the INFOBOX and the corresponding selection buttons of the system changes with the operating state of the associated system:

green = everything OK

yellow = fault of the system, a sensor or the communication to the system

orange = pre-alarm with a sensor

red = main alarm at a sensor

The info box is a summary in short form of all important information

- operating state (ready, alarm, fault, logged off)
- status (online, offline)
- last error message before a communication break
- device number and location

User Interface: „Main Window“ (Pre-alarm)

Server: Guenter-1825PTZ (local)
Device: Gaswarnanlage Prewarning

Object: UMSITEC
City / Country: Denkendorf / Germany
Address: Heerweg 15 D
Server Location: Entwicklung

GASVIS Monitoring System
 Copyrights by UMSITEC Denkendorf

Details + Settings
Position
Graph

Acoustic is ON

Messages: 1
 Clear all | Quit Message

00001 02.09.2012 19:41:09 Gaswarnanlage Vorführraum SENSOR B02 OXYG ALARM1 19 VOL% START

Quit Horn
 19:43:17
 02.09.2012

User Interface: „Main Window“ (Main alarm)

Server: Guenter-1825PTZ (local)
Device: Gaswarnanlage Alarm

Object: UMSITEC
City / Country: Denkendorf / Germany
Address: Heerweg 15 D
Server Location: Entwicklung

GASVIS Monitoring System
 Copyrights by UMSITEC Denkendorf

Details + Settings
Position
Graph

Acoustic is ON

Messages: 2
 Clear all | Quit Message

00002 02.09.2012 19:43:48 Gaswarnanlage Vorführraum SENSOR B02 OXYG ALARM2 17 VOL% START
 Show Graph
 00001 02.09.2012 19:41:09 Gaswarnanlage Vorführraum SENSOR B02 OXYG ALARM1 19 VOL% START

Quit Horn
 19:48:51
 02.09.2012

Message box „Messages“:

In the message box will appear each message with time and date.

It should be determined of course adequate procedures to alarm tracing or fault elimination.

The message box is only visible, as long as there are messages that have not been acknowledged yet. Messages are additional reported with an audio alarm. For this use a corresponding computer with speakers and ensure that is switched-on the function on the computer. The acoustics will be reset by clicking the „Quit Horn“.

Clicking on an individual message, this will be framed and it appears the button „Show Graph“. This will take you immediately to the measuring value diagram until message for the last two hours.

User Interface: „Main Window“ (Fault message)

The screenshot displays the main interface of the GASVIS Monitoring System. The top header includes the system name 'GASVIS Monitoring System' with German and UK flags, and a 'Login' button. The left sidebar shows the server 'Guenter-1825PTZ (local)' and the device 'Gaswarnanlage Fault'. The central panel displays the following information:

- Synonym: **Gaswarnanlage**
- Location: **Vorführraum**
- Device: **GDZ 801 No. A 10210**
- Status: **Online** (indicated by a green bar)
- Operation: **Fault** (indicated by a red bar)

Below this information is a table with service details:

Document number	Service Company	Service Tel.
907	UMSITEC	0711 3414159

The right sidebar features a 'Details + Settings' button, a 'Position' map, a 'Graph' showing a red spike, and a 'Quit Horn' button. A green status indicator 'Acoustic is ON' is visible. At the bottom, a 'Messages' section shows one message: '00001 02.09.2012 21:19:09 Gaswarnanlage Vorführraum SENSOR B02 OXYG Fault START'. The bottom right corner shows the time '21:19:46' and date '02.09.2012'.

Fig.: Main window with fault message of a sensor

Administrator Interface: „Main Window“ after login

The screenshot displays the main window of the GASVIS Monitoring System. At the top, it shows the server name 'Guenter-1825PTZ (local)' and the system name 'GASVIS Monitoring System'. The central area provides details for the 'Gaswarnanlage' (Gas warning system), including its location (VorfahrtstraÙe), device ID (GDZ 801 No. A 10210), and status (Online, OK). A graph shows the system's performance over time. The right sidebar contains various control buttons for managing the system, such as 'Online/Offline', 'SMS order', 'eMail order', and 'Quit GASVIS'.

Button „Online/Offline“: GASVIS can be taken offline in certain cases, e.g. during a maintenance

Button „SMS Dispatch“: the complete SMS transmission can be switched on or off as required

Button „E-Mail Dispatch“: the complete e-mails transmission can be switched on or off as required

Button „Load Settings“: enables to charge different types of stored settings

Button „Save Settings“: enables to save the loaded settings

Button „Save Settings under“: for storing different settings under its own name

Button „Basic Settings“: moves to the administrator interface for managing GASVIS basic-settings

Button „Server/Updates“: moves to the administrator interface for communication among multiple GASVIS-Server.

Button „Export/Backup“: moves to the administrator interface for managing GASVIS-datas, logs and data backups

Button „Parameter Editor“: moves to the administrator interface for the parameters of the connected system.

Button „Acoustic is ON“: switches on or off the complete acoustic message of GASVIS-program on the local server.

Button „Quit GASVIS“: enables you to exit the program.

Display box „Call time“: displays the longest time it took to read the indicated system and its sensors. The reset can be done by double-clicking.

Display box „Timeout“: Shows the longest time a system is not accessible. The reset can be done by double-clicking.

Administrator Interface „Basic Settings“ (Project Settings or similar)

The screenshot displays the 'Basic Settings' window for 'GASVIS+' software. It is organized into several functional panels:

- Project Settings:** Fields for Object/Company name (UMSITEC), Address (Heerweg 15 D), POZ/City (73230 Denkendorf), Country (Germany), and Server Location (Entwicklung). A 'Number of Devices' field is set to 1.
- Software Information:** Shows 'GASVIS+' Software Version V 10.09.2012 21:38:15.
- Acoustic Effects:** Controls for Acoustic status (ON), Fault (Beethofens 5 te), Prewarning (Trompet), Alarm (Fire siren), and Acknowledgement (Beep), each with a 'Test' button.
- General SMS Alarm:** Includes 'SMS order enabled', 'SMS Counter' (2), and 'SMS Faults' (0). A table lists 'SMS Contents' with columns for Username, Mobile telephone call, and status (OFF).
- Proxy / Firewall:** Options for SMS Proxy and COM Proxy, with fields for Proxyname, IP, Port, Username, and Password.
- Installation:** A 'Licence' section and a 'Network timeout tolerance' field set to 20 seconds.
- Local settings only for Guenter-1825PTZ:** Includes 'IP Update Server' (217.92.87.37) and 'Port' (4244), along with checkboxes for 'Taskbar invisible', 'Form GASVIS maximized', and 'Printing disabled'.

At the bottom, a navigation bar contains buttons for '<- Back', 'Details + Settings', 'Position', 'Graph', 'Server', 'Load Settings', 'Save settings', and 'Logout'.

Button „Load Settings“: allows you to load a saved file with basic settings.

Button „Save Settings“:

enables the set parameter to save as a file under any name freely eligible and load again. The file **stored finally** is automatical recorded by the program start.

Button „Logout“:

Here you can log out of operation..

Button „Back“ return to the opened previous window

Frame „Project Settings“:

Here the company name of the operator and the location of the firm are registers. Besides, the number of the available gas detection systems is pre-set here.

Frame „Acoustic Effects“:

Enables the selection of the acoustic messages at alarm, faults and acknowledging in the message window from the selection list. The tones / melodies can be heard over the respective test button. Use the Stop button to close the test.

Frame „Proxy / Firewall“:

If the Internet access of your company takes place via proxy server, here are the relevant entries that can be stored: so here are deposited the appropriate entries:

- the **IP-address** (format: xxx.xxx.xxx.xxx) or the name of the server
- the activated **port** of the Internet access
- for the program GASVIS+ activated **user name** for the registration at Proxy
- the **password**

„**SMS-Proxy**“: SMS are to be sent through Proxy to the Internet.

„**COM-Proxy**“: The rest of communication is directed via proxy to the Internet. The data will be packed into an http protocol.

Button „Show COM“: only for administrative purposes of the manufactory

Frame „Background“:

Set the background color of the user interface.

Administrator Interface „Basic Settings“ (Installation)

Basic settings for Guenter-1825PTZ (local)

Object/Company name:

Address / Street:

POZ / City:

Country:

Server Location:

Number of Devices:

GASVIS+
Software Version
V 10.09.2012 21:38:15

Acoustic Effects

Acoustic: ON

Fault:

Prewarning:

Alarm:

Acknowledgement:

General SMS Alarm

Setup eMail > SMS order enabled SMS Counter: 2 SMS Faults: 0

Last SMS server response: Double cClick for complete response
OK (1063181910) from / to Night hour min

SMS Contents	Username	Mobile telephone call		Mo-Fr	Sa	Su	Day	Night	Test-SMS
<input checked="" type="checkbox"/> Object name			OFF	<input checked="" type="checkbox"/>	<input type="button" value="Test-SMS"/>				
<input checked="" type="checkbox"/> Object city			OFF	<input checked="" type="checkbox"/>	<input type="button" value="Test-SMS"/>				
<input checked="" type="checkbox"/> Device Location			OFF	<input checked="" type="checkbox"/>	<input type="button" value="Test-SMS"/>				
<input checked="" type="checkbox"/> Sensor Infotext			OFF	<input checked="" type="checkbox"/>	<input type="button" value="Test-SMS"/>				
<input checked="" type="checkbox"/> Gas type			OFF	<input checked="" type="checkbox"/>	<input type="button" value="Test-SMS"/>				
<input checked="" type="checkbox"/> Alarm value			OFF	<input checked="" type="checkbox"/>	<input type="button" value="Test-SMS"/>				
<input checked="" type="checkbox"/> Sender shortname			OFF	<input checked="" type="checkbox"/>	<input type="button" value="Test-SMS"/>				
<input checked="" type="checkbox"/> Date+Time duplicate			OFF	<input checked="" type="checkbox"/>	<input type="button" value="Test-SMS"/>				
<input checked="" type="checkbox"/> Event starts			OFF	<input checked="" type="checkbox"/>	<input type="button" value="Test-SMS"/>				
<input checked="" type="checkbox"/> Event stops			OFF	<input checked="" type="checkbox"/>	<input type="button" value="Test-SMS"/>				

Background

Motive:

Proxy / Firewall

SMS Proxy CDM Proxy

Proxyname or IP:

Port:

Username:

Password:

Installation

Licence

In case of alarm print sensor positions

In case of alarm print readings graph

Show run times of Actors

Network timeout tolerance sec:

Local settings only for Guenter-1825PTZ

Taskbar invisible (Infodisplay)

Form GASVIS maximized (Infodisplay)

Printing disabled (Infodisplay)

IP Update Server: Port:

No warning when update server unavailable

No Ethernet connection to gas warning devices or other TSCs

Login without password (Service Laptop)

Frame „Installation“:

Button „Licence“:

Here you can activate the program by entering your licence number (see below).

Check „In case of alarm print building plan“:

Allows printing the building plan with the positions of alarming sensors to provide information for the emergency services and the fire department.

Check „In case of alarm print readings graph“:

Enables to print the readings graphs of alarming sensors.

Check „Shows run times of Actuators“:

Enables the visualization in the building plan view of actors as well– e.g. of ventilator and indicates the energy consumption, which is calculated by the resulting alarms of the dependent zone.

For this purpose must be installed onto the window „Position“ of the corresponding actuators plan.

Combo box „Network Timeout Tolerance“:

Increase the value if your network is heavily loaded and often leads to a connection error message.

Administrator Interface: „Basic Settings“ (Local Settings)

Basic settings for Guenter-1825PTZ (local)

Object/Company name: UMSITEC
 Address / Street: Heerweg 15 D
 POZ / City: 73230 Denkendorf
 Country: Germany
 Server Location: Entwicklung

Number of Devices: 1

GASVIS+
 Software Version
 V 10.09.2012 21:38:15

Acoustic Effects
 Acoustic: ON [Stop]
 Fault: Beethofens 5.te [Test]
 Prewarning: Trompet [Test]
 Alarm: Fire siren [Test]
 Acknowledgement: Beep [Test]

Background
 Motive: Black

Proxy / Firewall
 SMS Proxy CDM Proxy
 Show CDM
 Proxyname or IP: _____
 Port: _____
 Username: _____
 Password: _____

Installation
 Licence
 In case of alarm print sensor positions
 In case of alarm print readings graph
 Show run times of Actors
 Network timeout tolerance sec: 20

Local settings only for Guenter-1825PTZ
 Print form / Select standard printer
 Register *.PROT
 Taskbar invisible (Infodisplay)
 Form GASVIS maximized (Infodisplay)
 Printing disabled (Infodisplay)

SMS Alarm Configuration
 SMS order enabled
 SMS Counter: 2
 SMS Faults: 0
 Last SMS server response: OK (1063181910)
 Double cClick for complete response
 hour: 22 min: 00 from / to Time: 06 00

SMS Contents	Username	Mobile telephone call	Mo-Fr	Sa	Su	Day	Night	Test-SMS
<input checked="" type="checkbox"/> Object name			OFF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Test-SMS
<input checked="" type="checkbox"/> Object city			OFF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Test-SMS
<input checked="" type="checkbox"/> Device Location			OFF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Test-SMS
<input checked="" type="checkbox"/> Sensor Infotext			OFF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Test-SMS
<input checked="" type="checkbox"/> Gas type			OFF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Test-SMS
<input checked="" type="checkbox"/> Alarm value			OFF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Test-SMS
<input checked="" type="checkbox"/> Sender shortname			OFF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Test-SMS
<input checked="" type="checkbox"/> Date+Time duplicate			OFF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Test-SMS
<input checked="" type="checkbox"/> Event starts			OFF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Test-SMS
<input checked="" type="checkbox"/> Event stops			OFF	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Test-SMS

IP Update Server
 IP: 217.92.87.37 Port: 42444
 No warning when update server unavailable
 No Ethernet connection to gas warning devices or other TSCs
 Login without password (Service Laptop)

Navigation: < Back | Details + Settings | Position | Graph | Server | Load Settings | Save settings | Logout

Frame „Local Settings“:

Button „Print form / Select default printer“:

Allows you to select the standard printer to which the program sends printouts and to print the form "Basic Settings"

„Register .PROT“

Registered the ending of the file .PROT to automatic call up of the program and open these files in the visualization. So the measuring logs you have been sending can be sent by Windows Explorer and may be clicked and opened

„Taskbar invisible (Info Display)“

Let escape the Windows taskbar to protect the program or the server from unauthorized access of the public on Info display.

„Fix Form GASVIS (Info Display)“

Turns off / on for minimize / maximize the window buttons.

E.g. on Info displays to the public, the form should not be minimized, in order to prevent unauthorized access to the Windows area.

Working on computers with other programs GASVIS should be minimized.

„No Print Menu“

Deactivates all buttons for printing in all windows to protect unauthorized access to the Windows area of the printer browser, e.g. at Info display at the public

Continued on next page

Administrator interface: „Basic Settings“ (Local Settings)

Basic settings for Guenter-1825PTZ (local)

Object/Company name: UMSITEC
 Address / Street: Heerweg 15 D
 POZ / City: 73230 Denkendorf
 Country: Germany
 Server Location: Entwicklung

Number of Devices: 1

GASVIS+
 Software Version
 V 10.09.2012 21:38:15

Acoustic Effects
 Acoustic: ON [Stop]
 Fault: Beethofens 5.te [Test]
 Prewarning: Trompet [Test]
 Alarm: Fire siren [Test]
 Acknowledgement: Beep [Test]

Background
 Motive: Black

Proxy / Firewall
 SMS Proxy CDM Proxy
 Show CDM
 Proxyname or IP: _____
 Port: _____
 Username: _____
 Password: _____

Installation
 Licence
 In case of alarm print sensor positions
 In case of alarm print readings graph
 Show run times of Actors
 Network timeout tolerance sec: 20

Local settings only for Guenter-1825PTZ
 Print form / Select standard printer
 Register *.PROT
 Taskbar invisible (Infodisplay)
 Form GASVIS maximized (Infodisplay)
 Printing disabled (Infodisplay)

IP Update Server Port: 217.92.87.37 42444
 No warning when update server unavailable
 No Ethernet connection to gas warning devices or other TSCs
 Login without password (Service Laptop)

Navigation: <- Back | Details + Settings | Position | Graph | Server | Load Settings | Save settings | Logout

Input boxes for the update server „IP Update Server“, „Port“:

For the program to be supplied by the manufacturer server with updates, enter the server address: **IP: 217.92.87.37 Port: 42444**

It can also be named a network-internal server – for example another info display or a PC, Which is supplied with the service using the latest GASVIS version?

If the connection can be established, the boxes are colored green.

If any updates are pending, in the main screen displays a button, in order to download the update.

„No warning if update server is unavailable“

The message on the main screen is turned off. E.g. if the program anyway receive no network or Internet connection.

„No Ethernet connection to gas warning devices or other TSCs“

The Ethernet connection to systems and other touch-screen info displays is normally monitored, in order to prevent a watchdog message, because there is no corresponding communication partner. Select this option.

„Login password-free“

Enables access to the password-free setting boxes. E.g during service or on anyway protected computers.

Administrator Interface: „Basis Settings“ (SMS Sendings)

Basic settings for Guenter-1825PTZ (local)

Object/Company name: UMSITEC
 Address / Street: Heerweg 15 D
 POZ / City: 73230 Denkendorf
 Country: Germany
 Server Location: Entwicklung

Number of Devices: 1

GASVIS+
 Software Version
 V 10.09.2012 21:38:15

Acoustic Effects
 Acoustic: **ON** Stop
 Fault: Beethofens 5.te Test
 Prewarning: Trompet Test
 Alarm: Fire siren Test
 Acknowledgement: Beep Test

Background
 Motive: Black

Proxy / Firewall
 SMS Proxy CDM Proxy
 Show CDM
 Proxyname or IP: _____
 Port: _____
 Username: _____
 Password: _____

Installation
 Licence
 In case of alarm print sensor positions
 In case of alarm print readings graph
 Show run times of Actors
 Network timeout tolerance sec: 20

Local settings only for Guenter-1825PTZ
 Print form / Select standard printer
 Register * *PROT
 Taskbar invisible (Infodisplay)
 Form GASVIS maximized (Infodisplay)
 Printing disabled (Infodisplay)

SMS Alarm Configuration
 SMS order enabled
 SMS Counter: 2
 SMS Faults: 0
 Last SMS server response: OK (1063181910)
 Double cClick for complete response
 hour: 22 min: 00 Night from / to Time: 06 00

SMS Contents	Username	Mobile telephone call	OFF	Mo-Fr	Sa	Su	Day	Night	Test-SMS
<input checked="" type="checkbox"/> Object name	Guenter	0171.....	OFF	<input checked="" type="checkbox"/>	Test-SMS				
<input checked="" type="checkbox"/> Object city			OFF	<input checked="" type="checkbox"/>	Test-SMS				
<input checked="" type="checkbox"/> Device Location			OFF	<input checked="" type="checkbox"/>	Test-SMS				
<input checked="" type="checkbox"/> Sensor Intotext			OFF	<input checked="" type="checkbox"/>	Test-SMS				
<input checked="" type="checkbox"/> Gas type			OFF	<input checked="" type="checkbox"/>	Test-SMS				
<input checked="" type="checkbox"/> Alarm value			OFF	<input checked="" type="checkbox"/>	Test-SMS				
<input checked="" type="checkbox"/> Sender shortname			OFF	<input checked="" type="checkbox"/>	Test-SMS				
<input checked="" type="checkbox"/> Date+Time duplicate			OFF	<input checked="" type="checkbox"/>	Test-SMS				
<input checked="" type="checkbox"/> Event starts			OFF	<input checked="" type="checkbox"/>	Test-SMS				
<input checked="" type="checkbox"/> Event stops			OFF	<input checked="" type="checkbox"/>	Test-SMS				

IP Update Server Port: 217.92.87.37 42444
 No warning when update server unavailable
 No Ethernet connection to gas warning devices or other TSCs
 Login without password (Service Laptop)

Navigation: < Back, Details + Settings, Position, Graph, Server, Load Settings, Save settings, Logout

Frame „General SMS Sendings“

For sending SMS message all basic settings are pre-set.

These are:

- selection of the included information about individual checkboxes (object name, object location from the frame „object“)
- system location from the same text box in the „Infos and Settings“ of the concerning system
- measuring points info text from the measuring index in the „Infos and Settings“ of the concerning system.
- the gas type of the sending measuring points
- the current alarm value of the triggering alarm of the sending measuring point. (if this selection is not made, then the respective alarm number (1,2,...) is transmitted.)
- transmitter code:
max. 11 characters from the object name
(if this selection is not made instead, will be sent a SMS number)
- date and time
- event starts (transmitting of SMS - occurring at event)
- event stops (transmitting of SMS - in outgoing event)
- up to 10 names of participants with its respective mobile phone number (shipping worldwide)

Each participant can be individually activated or deactivated by using the On / Off button.

In addition to temporal distinctions are made when each participant will receive any SMS messages.

This includes the specification when the night begins and ends is recorded the time (Requirement 22:00 ..06:00 clock)

If pressing „Test SMS“, the respective SMS transmitting can be tested. .

The sent SMS messages are displayed in the green box counter, failed in the red one.

The last response from the server of the SMS provider is shown in the text box „last server response“.

TIP: Double-click on the text box displays any detailed answers.

Button „Setup E-Mail“:

Access to the basic settings for sending e-mails.

Administrator Interface: „Basic Settings“ (General E-Mail-Sending)

Project settings for Guenter-1825PTZ (local)

Object/Company name: UMSITEC
 Address / Street: Heerweg 15 D
 POZ / City: 73230 Denkendorf
 Country: Germany
 Server Location: Entwicklung

Number of Devices: 1

GASVIS+
 Software Version
 V 05.09.2012 10:53:13

Acoustic Effects
 Acoustic: **ON** Stop
 Fault: Beethofens 5.te Test
 Prewarning: Trompet Test
 Alarm: Fire siren Test
 Acknowledgement: Beep Test

Background
 Motive: Black

Proxy / Firewall
 SMS Proxy CDM Proxy

 Proxyname or IP: _____
 Port: _____
 Username: _____
 Password: _____

Setup
 IP Update Server: 192.168.0.33 Port: 42444
 Network timeout tolerance: sec 20
 Show run times of Actors
 With alarm print sensor positions and readings graph
 With alarm print readings graph

General eMail Alarm
 eMail recipient name: Umsitec
 eMail destination address: info@umsitec.de
 Status: active

Regular measuring graph mailing
 GIF PDF
 Frequency: 1/Day
 TEST-eMail: Never

Settings (for local machine only)
 Taskbar invisible (Infodisplay)
 Form GASVIS maximized (Infodisplay)
 Printing disabled (Infodisplay)
 No warning when update server unavailable
 No Ethernet connection to gas warning devices or other TSCs
 Login without password (Service Laptop)

Buttons: < Back, Details + Settings, Position, Graph, Server, Load Settings, Save settings, Logout

Frame „General E-mail Sending“

All basic settings for the sending of the e-mail messages are pre-set here. These are:

- your e-mail server domain (for example. smtpmail.t-online.de)
- your e-mail sender address
(If you do not specify a user name, this is also the user ID for your server)
- your user name
- your e-mail password from your e-mail provider
- up to 10 e-mails recipient with the corresponding e-mail address

By means of the alarm mail buttons **active/off**, alarm and fault e-mails can be individually activated or deactivated for the respective recipient.

Using the **combination fields**, a regular **measured value graph** sending of all measuring points and all systems can be set up individually for each e-mail address. This is independent of the settings for the alarm mails. The following options are available: **never / 1 / day / 1 / week / 1 / month**

For many measuring points or installations it is recommended to send these data as a compressed ZIP file by setting the respective check mark.

Option "GIF" and "PDF": When sending e-mails, **measured value diagrams** will be send together as an attachment. A GIF-file requires only a tenth of the amount of data, such as the PDF, and is usually instantly displayed in the email browser of PCs and smartphones.

The **test e-mail** can be used to test the respective e-mail delivery.

The sent e-mails are displayed in the green counter field, failed in the red.

The last server response of the e-mail server is displayed in the status field.

In the case of a timeout, this is counted up in the timeout field and displayed in seconds.

Option "PIC": Depending on the operating system, the display of the measured value diagram can be improved with this option.

Button "Setup SMS":

Go to window Basic Settings for sending SMS messages

Administrator Interface: „Position“ (Building Plan Display)

The screenshot displays the 'Sensors Overview Gaswarnanlage' interface. On the left, a 'Colour Relevance' legend lists: Alarm (red), Prewarning (orange), Fault (yellow), Missing (green), OK (blue), Disabled (purple), and Unspecified (grey). Below this is a 'Sensors General Survey' button and a 'Zone Selection' button. The main area shows a floor plan of 'LN2-Lager 1.OG' with various rooms like 'Abstellraum', 'Vorraum', 'Elektr.-Anschlussraum', 'Lager 1', and 'Lager 2'. Sensors are marked with icons and labels like 'WUS 01', 'WUS 02', 'WUS 03', 'B1', 'B2', 'B3', and 'B4'. On the right, there are dropdown menus for 'Local - Select a Country', 'Denkendorf - Select a City', 'UMSITEC - Select a Site', 'Guenter-1825PTZ - Select a Facility/Serv.', and 'Gaswarnanlage GDZ 801 No. A 10210'. Below these are buttons for 'Select Background', 'Delete BG', 'Quantity' (set to 4), 'Setup Elements', 'Set Positions to Zero', 'Element1', 'Delete', and 'Caption' (with a 'Click on an Element!' button). At the bottom right are 'Quit Setup' and 'Print' buttons.

Button „Sensors General Survey“: Shows the overall view of the sensor of a system

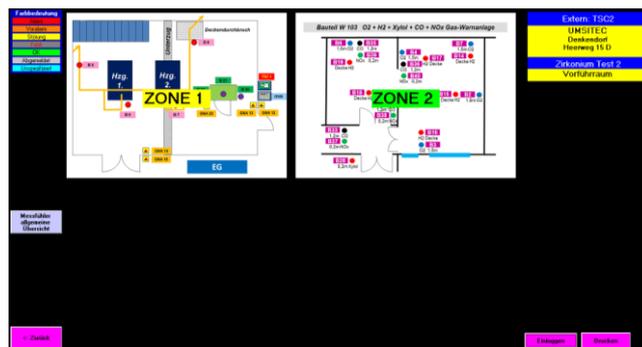
Inserting building plans for sensor of actuators:

Preliminary work:

Create a building plan with the positions of the sensors and save these in the application directory „Backgrounds“. The graphic should be saved as GIF. (E.g. Microsoft Power Point)

Insert the plan:

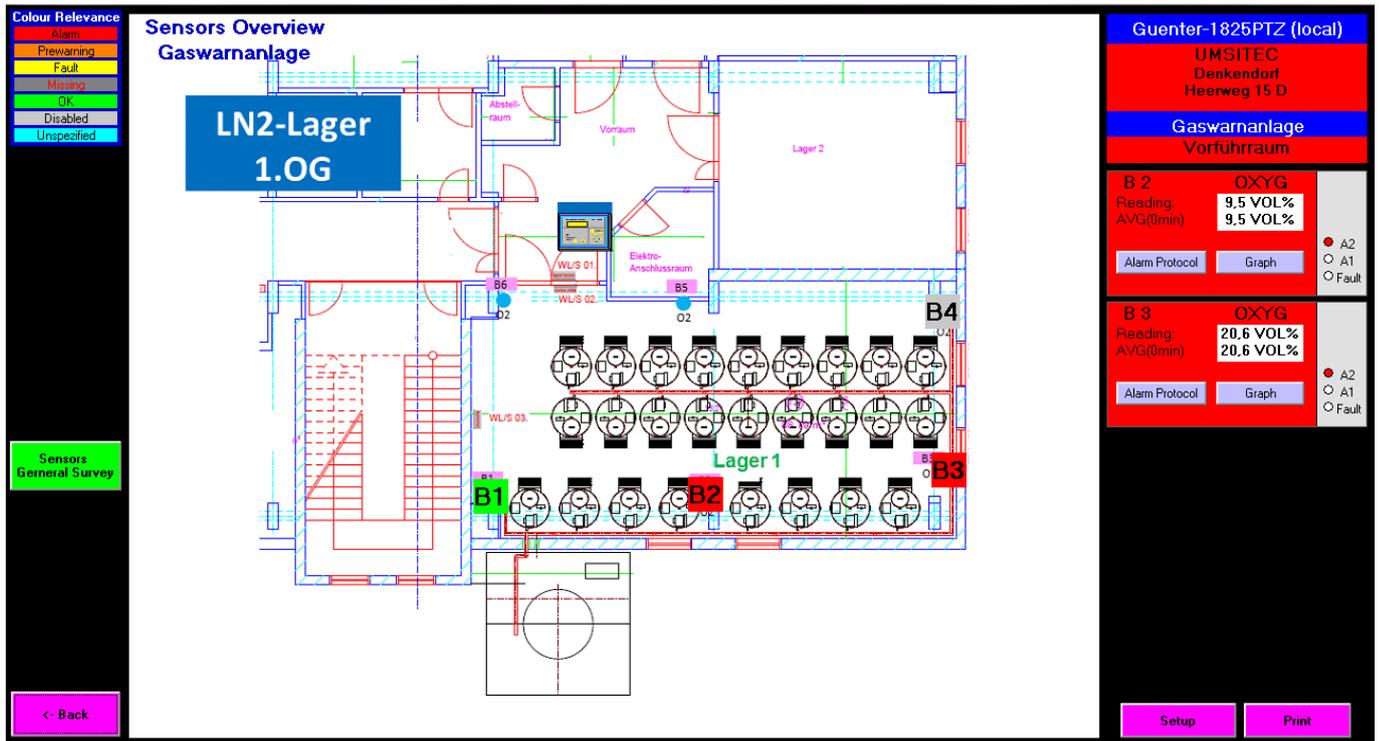
Select an overall summary or a zone via **button „Zone Selection“**, if the master plan is divided into several building zones (e.g. boiler room, basement, exterior).



- press the **button „Setup“** or „Login“, if you are not already logged.
- press the **button „Select Background“** and select your drawing in Explorer.
your drawing is now the background for the currently selected system
- in the middle of the measuring point icon, the system display as many as it has measuring points.
alternatively, you can also indicate the measuring point number in the box „Quantity“
if the system is not connected
- Pull the measuring point icon with the mouse to required location.
- Exit the setup mode by pressing the **button „Quit Setup“** and save the settings.

In order to present the actuators e.g. ventilators or valves, do the same principle, but first activate on the frame „Basic Configuration“ the checkbox **„Enable Actor Details“**.
You get an extra button to select the actuators plans.

Operator interface: „Position“ (Building plan display)



Picture: Building plan with alarm messages of sensors

Measuring values are displayed in **Sensor-Infoboxes „B1“, „B2“**

For reading individual sensor these could können diese auch mit der Maus angeklickt werden.

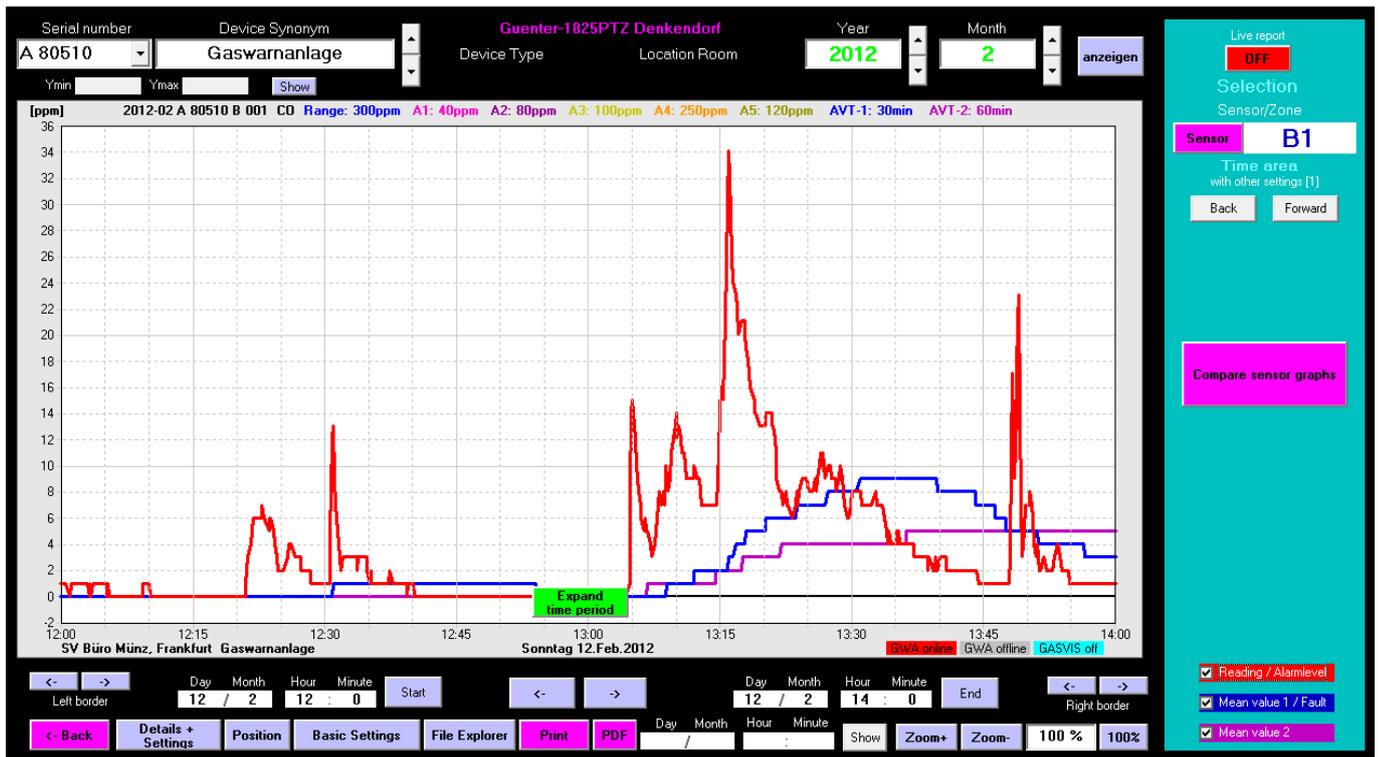
For information about the individual info boxes you can use the button „Alarm Protocol or Graph“ to go directly to the respective alarm protocol or measuring diagram.

Button „Print“: Print of the form shown on a printer

Zooming is done by clicking the plans. After three times the zoom is set back to 100%.

Button „Setup“ or „Login, if you are not already logged in go to the administrator interface to establishing the building plan.

Operating interface: „Graph“ (Measuring Diagram)



Selection box „Serial Number“:

Selection of device, whose measuring protocol should be displayed. Selection is made by Up/Down button.

Selection box „Device Synonym“:

Selection of device, whose measuring protocol should be displayed. Selection is made by Up/Down button

Info boxes „Device Type“, „Location Room“:

Display of device type, device and location in the company of the selected device.

Selection box „Year“: Selection of the protocol year for the display

Selection box „Month“: Selection of the protocol month for the display

Button „Live report“:

When activated, all 6 sec, the constant updating of the diagrams with newly read measuring values.

Button „Display“:

Shows the diagram of the adjusted month in the annual presentation.

Frame „Selection“:

Selection boxes „Sensor/Zone“:

Selection of the respective measuring point, whose measuring protocol should be displayed.

Via the button „Compare sensor graphs“ can be displayed up to 4 measuring points simultaneously.

Forward- back-buttons „Time area“ (time periods with revised settings):

If changes within one year at one location an important parameter (e.g. the type of gas alarm, alarm levels or similar) so occurs a visual difference to previous or subsequent adjustment times.

These appear dazzled, while the selected time period come forward optically.

The information in the info box of the measuring diagram refers to the selected time period.

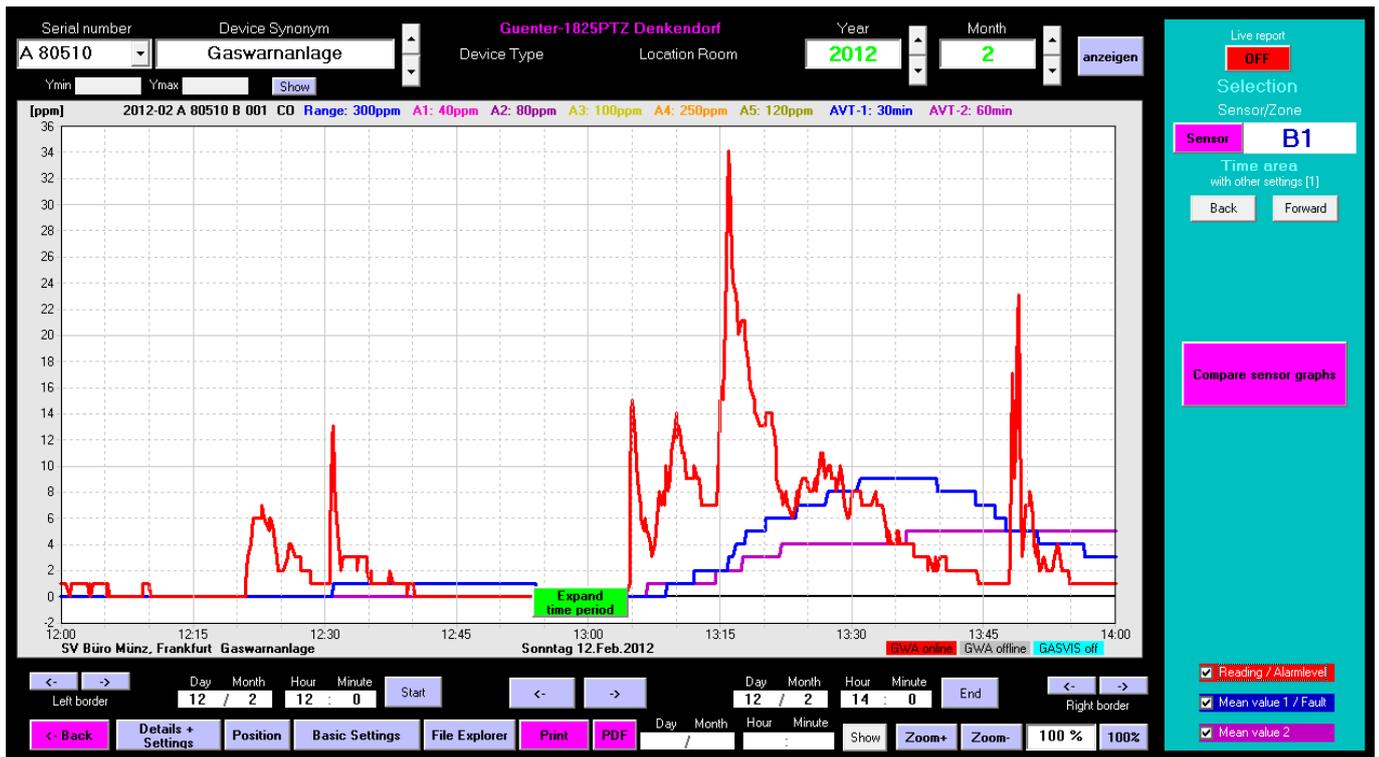
Selection box „Reading“ (red line), „Mean1“ (blue line), „Mean2“ (purple line):

The selection determines the display of the diagram.

In certain circumstances the same curves are displayed, when the respective measuring point due to the settings of the devices no averaging performs.

Continued next page

Operating Interface: „Graph“ (Measuring Diagram)



Control boxes:

The inputs determine the time frame for the measurement diagram to be displayed. With the button "Show" the data will be stored and displayed the corresponding diagram.

TIP: alternatively, with the left mouse bottom you can zoom temporal into the diagram and with the right one you can zoom out.

Input boxes „YMin“, „YMax“ and button „Show“:

Expands the displayed value range or limits the range.

Button „Print“: Print of the displayed measuring diagram resp. all of the shown diagrams.

Button „PDF“: Creates a PDF file of the displayed measuring diagrams of the top sensor selection.

Buttons „Zoom+“, „Zoom-“, „100%“:

Normally the adaptation of the diagram is performed automatically, with respect to the displayed measurement in dependence on measured values within the shown time period.

With these buttons, a zoom in / out of the displayed range will be achieved, for example in order to see where the switching stages in this domain are.

Operation Interface „Details and Settings“ (Measuring display, alarm- and fault protocol)

The screenshot displays the 'Details and Settings' interface for a gas warning device. At the top, it shows the device name 'Gaswarnanlage', location 'Vorführraum', operation 'Alarm', and state 'Online'. A status bar indicates 'Success' and 'Sensors partially disabled'. Below this is a table of sensor data:

SENSOR	Info	Operation	Status	Medium	Unit	Reading	MEANV-1	A1	A2
B 1		DN	OK	O ₂ Y ₂ G	VOL%	9,1	9,1 /0min	9	
B 2		DN	OK	O ₂ Y ₂ G	VOL%	9,1	9,1 /0min	9	
B 3		DN	OK	O ₂ Y ₂ G	VOL%	20,6	20,6 /0min	9	
B 4		OFF	OK	O ₂ Y ₂ G	VOL%	0	0 /0min		

Below the sensor table, there are sections for 'Alarms' and 'Faults'. The 'Alarms' section shows a list of alarm events with columns for time, sensor ID, gas type, alarm level, and status. The 'Faults' section shows a list of fault events with columns for time, event ID, and description. Navigation buttons like 'Back', 'Position', 'Graph', 'Basic Settings', and 'Login' are visible at the bottom.

Display box „Device Synonym“ (Device name)

Shows the name of respective device, e.g. gaswarning device, „GWA-01“, ...

Display box „Room name“ (Location)

Shows the location of these device in the company, „Labor“.

Display box „Operation“

Shows the current state of the device

Display box „Status“

Shows the current state of the connection to the device.

Button „Settings“, „Readings“

Selection box for the display of individual measuring process information in the table below:

- Info Text, - Gas Type, - Unit, - Measuring Range - Average Time, - Alarm Level Values

or of the actual readings:

- Info text, - Operation, - Status, - Gas Type, - Unit, - Reading, - Medium, - Triggered Alarm Levels (red)

Administrator interface: „Details and Settings“

The screenshot displays the 'Details and Settings' page for a device named 'Gaswarnanlage' (GWA-01) located in 'Vorführraum'. The device is currently in an 'Alarm' state and is 'Online'. The interface includes fields for PC-Port (Ethernet, 192.168.0.213), IP-Address / Port (10213), Protocol (Modbus), and Modbus Address (1). A table shows sensor data for four sensors (B 1, B 2, B 3, B 4) with columns for Info, Operation, Status, Medium, Unit, Reading, MEANV-1, A1, A2, SMS, and eMail. Below the table are sections for 'Alarms' and 'Faults', each with a list of events and buttons for 'Delete Protocol' and 'Print Alarms/Faults'. The bottom navigation bar includes buttons for '<- Back', 'Position', 'Graph', 'Basic Settings', 'Load Settings', 'Save settings', 'Parameter Editor', 'Analysis', and 'Logout'.

Display box „Device Synonym“ (Device name)

Here enter the name of the respective device, for instance gas warning device „GWA-01“, ...

Display box „Room name“ (Location)

Here you enter this device in the company as „Laboratory ...“

Display box „Operation“

It shows the current status of the device

Display box „Status“

It shows the current status of the connection to the device.

Input boxes „IP-Address/ Port“

The IP address of the device server module corresponding to this device, must be given first with software delivered to the respective module or, if possible, through the browser. See your network administrator for the settings.

Here, you enter this IP-Address(xxx.xxx.xxx.xxx) and the port of the module now. The IP address is checked immediately. Is the connection to the device server possible, the IP box is yellow, otherwise red. Responds the device, the box is green, that means the connection is fully established.

Option „Modbus address“ or „GMS 4500 B“

If the device has a modbus connection, enter here the Modbus address of the respective device (1..255). This is present on a rotary switch or solder bridges in the respective system.

TIP: Some plants (such as WLWS 1601) are able to change the location of the modbus address software. You can do this by clicking with the right mouse button in the text box.

Button „Settings“, „Readings“

Selection box for the display of individual measurement points information in the underlying table:
Info text, - Gas type, - Unit, - Medium - Alarm level values

or the current readings:

Info text, - Operation, - Status, - Gas type, - Unit, - Reading, - Mean, - Triggered Alarm Levels (red)
- registration of the alarm level-specific activation of SMS and e-mail.

TIP: In the column info text you can deposit inputs directly, which seems important to you as additional information for the viewer or the SMS / email

Administrator interface: „Details and Settings“ further functions

The screenshot shows the administrator interface for a GASVIS alarm trigger. The main display area is divided into several sections:

- Device Information:** Device Synonym: Gaswarnanlage, Location Room Ident: Vorführraum, Operation: Alarm, State: Online.
- Type and Settings:** Type: GDZ 801, Serial number: 10210, Sensors: 4, Alarm levels: 2. Buttons for 'Show Settings' and 'Print' are present.
- Sensors Table:**

SENSDR	Info	Operation	Status	Medium	Unit	Reading	MEANV-1	A1	A2	SMS	eMail
B 1		ON	OK	ØXYG	VOL%	9,1	9,1 /0min	8,9	9	F, A1	F, A1, A6
B 2		ON	OK	ØXYG	VOL%	9,1	9,1 /0min	8,9	9	F, A1, A6	F, A1, A6
B 3		ON	OK	ØXYG	VOL%	20,6	20,6 /0min		9	F, A1, A6	F, A1, A6
B 4		OFF	OK	ØXYG	VOL%	0	0 /0min			F, A1, A6	F, A1, A6
- Log and Faults:** A scrollable log of events, including 'Admin login START', 'Programm GASVIS START', and 'Programm GASVIS STOPP'. Buttons for 'Delete Protocol' and 'Print Alarms' are provided.
- Navigation:** Buttons for '< Back', 'Position', 'Graph', 'Basic Settings', 'Load Settings', 'Save settings', 'Parameter Editor', 'Analysis', and 'Logout' are located at the bottom.

Buttons „GASVIS Alarm Trigger“

Selection of the alarm levels (green) of this device, which put the info display in the alarm status and creates SMS and e-mails or alarm levels (grey, like ventilation levels, which are suppressed)

Display box „Type“, „Serial number“, „Sensors“, „Alarm levels“

This information is shown automatically, as soon as it is online with the associated address.

Button „Normal Operation“

with this button you can activate the maintenance mode:
The caption of the button switches to the "Service mode".
In maintenance mode, no messages are triggered and no readings are recorded.

Button „Logout Device“

The displayed device is still readed and measuring values are displayed and recorded, but it will not make any alerting and no SMS/email dispatch

Button „Delete Device“

The displayed device is cleared from the screen and no longer readed.
The protocols remain intact und can optionally delete by clicking button „Delete Protocol“.

Button „activate SMS + E-Mail“

With this button you can deactivate and activate the dispatch of the messages of these device.

Button „PC-Port“

With this button you can send a fault as well as multiple alarm levels test-SMS for this device.
The individual alarm levels can be selected or ignored.
For this you can test whether the connection to the SMS provider is established and whether the device with its actual settings can send the SMS messages.
Should no message arrive, please check the settings in the measuring table, the settings in the window „Basic Settings“ as well as in the window „SMS and email for Service Companies“, which you can reached by clicking the button "Service Setup".

„Table of measuring points“ Here you see the state of the individual measuring points in the device.

These are taken constantly from the associated device and are refreshed **all 6 seconds**.
Besides, you can provide the pre-settings in the columns **SMS** and **e-mail**, **so that actually a message can be sending**, i.e. the choice of the alarm and fault messages, that will generate a message.

Button „Service Setup“

Leads to the window ‚Service Setup‘, to enter in the SMS and email addresses of the respective device manufacturer, in order to inform in case of failure and to provide protocols as well.

Administrator interface: „Details and Settings“ (Alarm and fault protocols)

The screenshot displays the 'Details and Settings' window for alarm and fault protocols. The main window is titled 'Print Preview' and shows a list of alarm protocols for 'Gaswananlage GDZ 801 No. A 10210 Vorführraum'. The list includes columns for message number, time, date, sensor ID, type, alarm status, and volume. The 'Alarms' list is highlighted in red, and the 'Faults' list is highlighted in yellow. The right-hand panel shows the configuration for the selected protocol, including PC-Port (Ethernet), IP-Address (192.168.0.213), Protocol (Modbus), and Modbus Address (1). The bottom of the interface features a navigation bar with buttons for 'Back', 'Position', 'Graph', 'Basic Settings', 'Load Settings', 'Save Settings', 'Parameter Editor', 'Analysis', and 'Logout'.

Text boxes „Alarms“ (red) and „Faults“ (yellow)

Display of the respective device with ascending message number, time and date

Buttons „Print“

Enable the printout of the fault or the alarm protocols of the device.
If you are not logged in, the printout on the default printer is possible, if this is permitted in the window „Basic Settings“.

Buttons „Delete Protocol“

Enable to delete the fault protocols or the alarm protocol of this device.

Buttons „Position“, „Graph“, „Basic Settings“

To jump forward or back to the respective program window.

Administrator Interface: „Server Communication“ (Conjunction with other GASVIS-PCs)

GASVIS (28.01.2019 06:47:23) - 2012 A Kirchheim - Original.GWA (D:\Dokumente\A VB6\GASVIS Entwicklung\Settings\2012 A Kirchheim - Original.GWA 27.01.2019 23:28:56)

Lokaler Computer

Name: GUENTER-LT, Stadt: Denkendorf, IP: 192.168.0.143, Port: 42445

Neue verfügb. Updates: GASVIS 28.01.2019 06:47:23

Std.Media: 08.12.2018 12:55:16

GASVIS 28.01.2019 06:47:23

Std.Media: 08.12.2018 12:55:16

Update von USB-Stick, Download Update

Facility Server

Name	Stadt	IP	Port	Programm+Std.Medien	Freigabe
1 Olaf	Denkendorf	217.92.87.37	42444	GASVIS	28.01.2019 06:47:23
2 TSC10	Denkendorf	217.92.87.37	42131	GASVIS	

Rechte: Administration, Benutzername: Olaf, PW: Olaf

Rechte: , Benutzername: , PW:

Sende Update, Protokolle vom Server holen, Server entfernen

Sende Update, Protokolle vom Server holen, Server entfernen

< Zurück, Details + Einstellungen, Position, Basisinstellungen, Einstellungen laden, Einstellungen speichern

This form is used to download both updates to the program GASVIS as additional servers to connect to e.g. in a building the same devices are displayed on multiple Info displays or on an additional computer that is accessible over the LAN or over the Internet, e.g. make it accessible to a standby service.

Input box „Port“: Port of the local GASVIS program, through which communication can be received by another computer.

- Is the computer on the same LAN, you need the private IP address and this port of the GASVIS server.
- Is the computer on the Internet you need the static IP of the router behind the GASVIS server and this port. On the router must be set up a port transmission to the private IP of the GASVIS server

UPDATE Area:

Display box „Local Update“: Shows the UPDATE state of the GASVIS version on the local server.

Display box „Newest avail. UPDATE“: Displays the latest available UPDATE on this specified UPDATE Server resp. those of the manufacturer.

Button „Download Update“

Starts the download of a program update (only GASVIS.exe) from the Update Server, if the program version on your PC is older than the one on the Update Server. After downloading the program shuts down and starts the new version.

Button „Update of USB stick“

Starts the download of a program update (only GASVIS.exe) from the USB stick, if the program version on your PC is older than the one on the USB stick. After downloading the program shuts down and starts the new version.

Button „Sende Update“

Sends the program from your PC to the server you like, if the version of the program on your PC is newer, than that on the external server, start it. As a result, the latest version can easily be distributed to all servers in the domain that are not connected to the Internet.

To what extent matches the program version on the same server with the latest available update, is displayed by red or green version boxes, in which red means that the version is older. A green box indicates that the server is updated. The administrator area: "Server Communication" (links to other GASVIS PCs)

Administrator interface: „Server Communication“ (Links to other GASVIS-PCs)

GASVIS (28.01.2019 06:47:23) - 2012 A Kirchheim - Original.GWA (D:\Dokumente\A VB6\GASVIS Entwicklung\Settings\2012 A Kirchheim - Original.GWA 27.01.2019 23:28:56)

Lokaler Computer

Gelb = Verbinde mit Server
Grün = Verbunden

Name: GUENTER-RT Stadt: Denkendorf

IP: 192.168.0.143 Port: 42445

IP Update Server: 217.92.87.37 Port: 42444

Kommt von: 65024 Olaf 217.92.87.37 42444

Buttons: **Leeren** **Verbinden** **Gesendet** **Update von USB-Stick** **Download Update**

Neue verfügb. Updates

GASVIS: 28.01.2019 06:47:23 BN: PW1: PW2: PW3:

Std.Media: 08.12.2018 12:55:16 Meldung: **Zeige PW** **Analyse AUS** **Zeige COM** Zustand

GASVIS: 28.01.2019 06:47:23 Lokales Update Serverfarbe: angefragt

Std.Media: 08.12.2018 12:55:16 Sockets/Socket: 1 Serverfarbe: erhalten

Buttons: **Server hinzufügen**

Facility Server

Verbinden	Zeige	Aktiv	Name	Stadt	IP	Port	Programm	Std. Medien	Freigabe	Buttons
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1	Olaf	Denkendorf	217.92.87.37	42444	GASVIS	28.01.2019 06:47:23		<input type="button" value="Sende Update"/> <input type="button" value="Protokolle vom Server holen"/> <input type="button" value="Server entfernen"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2	TSC10	Denkendorf	217.92.87.37	42131	GASVIS			<input type="button" value="Sende Update"/> <input type="button" value="Protokolle vom Server holen"/> <input type="button" value="Server entfernen"/>

Rechte: Administration Benutzername: PW: Olaf Std.Media: 08.12.2018 12:55:16

Password area: (Note: To download updates you do not need a password for the Update-Server)

Here you can enter a username and set up three password levels, in order to authorize the communication with other computers.

Button „Show PW“: shows the passwords readable

Inputbox „UN“: user name

Inputbox „PW1“: password for reading datas

Inputbox „PW2“: password for reading datas and to confirm messages

Inputbox „PW3“: administrator password for reading, confirming and modifying of settings

Server-area:

Button „Add Server “

Add another server to which the connection to its GASVIS program should be established.

It must be specified the IP address and the port.

Via the button "Connect", the connection can then be initiated.

If the connection is successful, the data boxes are immediately displayed in green

CheckBox „Show“: .When clicked it, the additional server is be displayed as a selection button in the server area of the main form. This can be used for access to the server to connected this device.

CheckBox „Active“

When clicked it, the additional server is readed every 6 seconds active.

This means that the information from this server are shown on your screen and also be served.

Alarms or faults on the external server are thereby also reported on your display visually and audibly

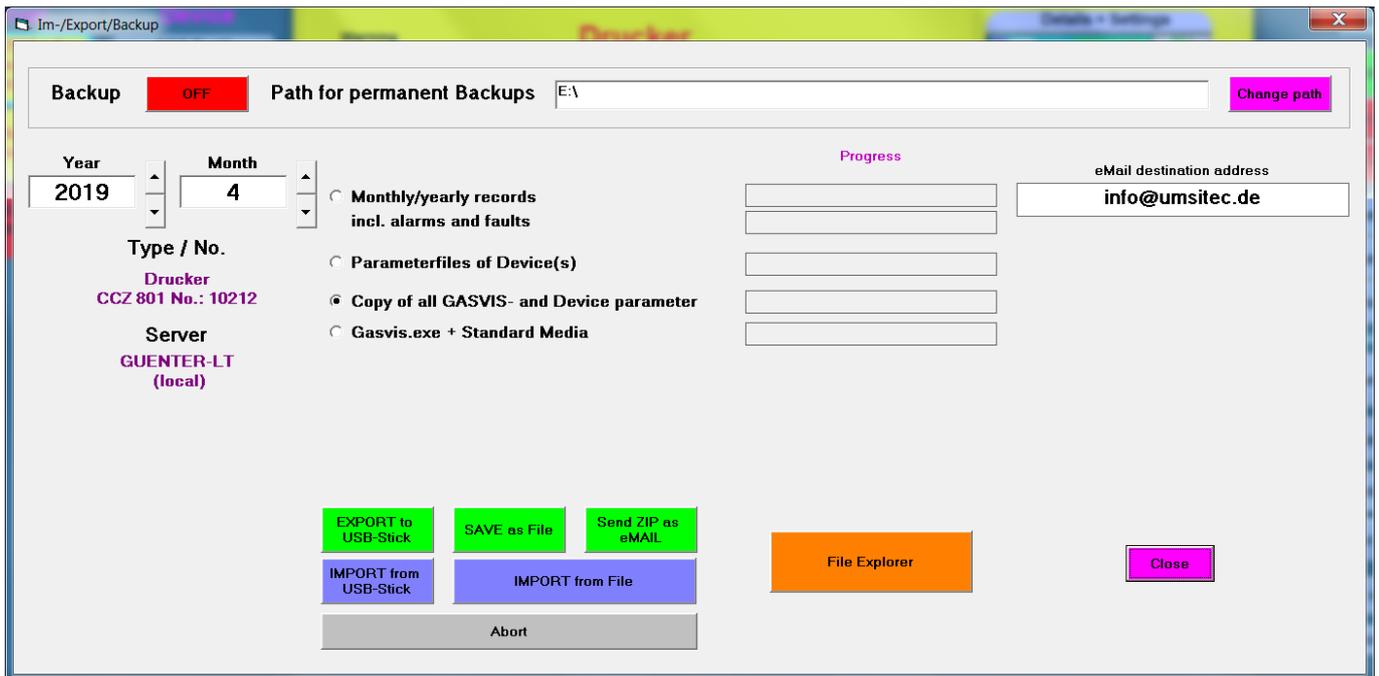
Arrow keys: change the display order of each server

Button „Connect“: connects to the required server. A successful connection is indicated by green text boxes, an unsuccessful by yellow.

Button „Delete Server “: Deletes the service line. The server is no longer displayed and no longer monitored. Alternatively, by clicking the corresponding **Checkbox "Show"**, the server will be temporarily blinded out.

Button „Analyse OFF“ „Analyse ON“: The communication between the servers is visualized in the ON state in order to clear connection problems.

Administrator Interface: „Import/Export/Backup“



Parallel external backup:

"Backup", "Change path" buttons: Enable or disable a permanent additional backup of the logs in a directory of your choice, an external drive or a USB stick

Import / Export of records or settings:

To select, press the corresponding option button:

- Monthly / yearly recordings** of traces / alarms / faults:
Up / Down buttons "Year", month: log year and month of the files to be exported.
It is queried whether the whole year should be exported
- Parameter files of the attachment (s)**
Only the parameter files of BUS systems are saved if they have been saved in the parameter editor in the standard directory .. \ Parameterfiles
- Copy of all GASVIS and system parameters**
All parameter settings for backup or to move GASVIS to another PC.
Basic settings / floor plans / system settings / server settings /
and parameter files of BUS systems stored if they were saved in the parameter editor in the standard directory .. \ Parameterfiles
- Gasvis.exe + standard media**
Storage of the program file e.g. to carry out updates on other PCs
In addition, the default media (settings for the most common gases) for use in the
Parameter editor saved

Button "EXPORT to USB stick": the selected file types are saved on a USB stick.

Button "IMPORT from USB stick": the selected file types are loaded from a USB stick

Button "SAVE as File": the selected file types are saved in a directory to be specified

Button "Send ZIP as eMail": the selected file types will be sent to the specified e-mail address as a compressed ZIP file.

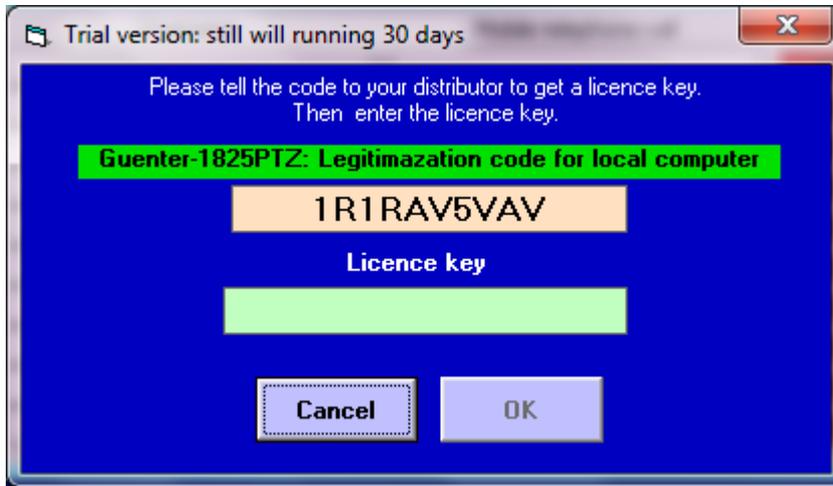
File names: GASVIS export or GASVIS export.ZIP for recordings and parameter files or
GASVIS-INI - Kopie or GASVIS-INI-Kopie.ZIP as a copy of all GASVIS and system parameters
GASVIS.exe for the program file and Standardmedien for the list of most common gases

Button "File Explorer": Calling the Windows File Explorer to manage the GASVIS files

License Activation

Input window for the unlock code

If you have installed the software fresh, it will register with an input window for an unlock code daily. They have a trial version first, which you can unlock to a full version.



During the test phase, this window will appear once a day and must be clicked up. While the window is visible, the program execution will not continue.

Please inform your supplier the unlock code as soon as possible. You will then receive a license number for the program.

TIP: In the "General Settings" it is to be called the form to enter the code by clicking the "License"

Start up the Program

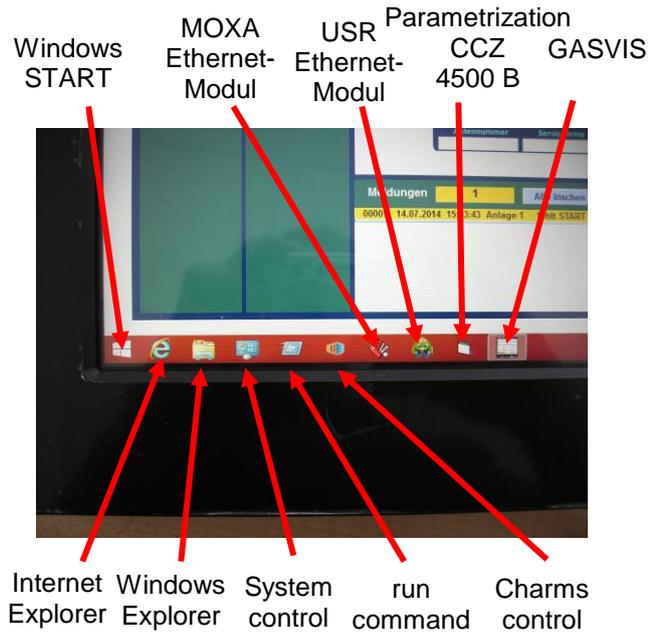
After starting the program, it is searched for the last saved parameter file. If this file is found, the parameters are read automatically and the program immediately get into normal mode.

Support for Setting up in the LAN

Log in

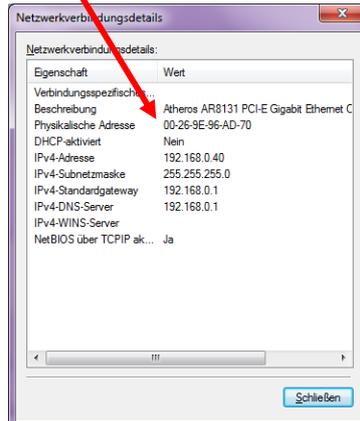
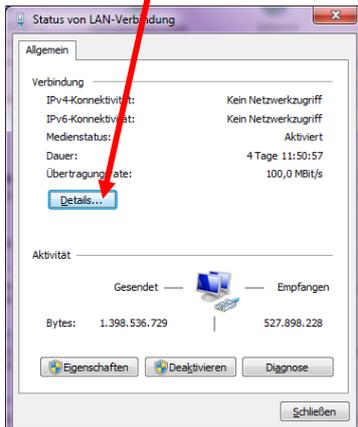
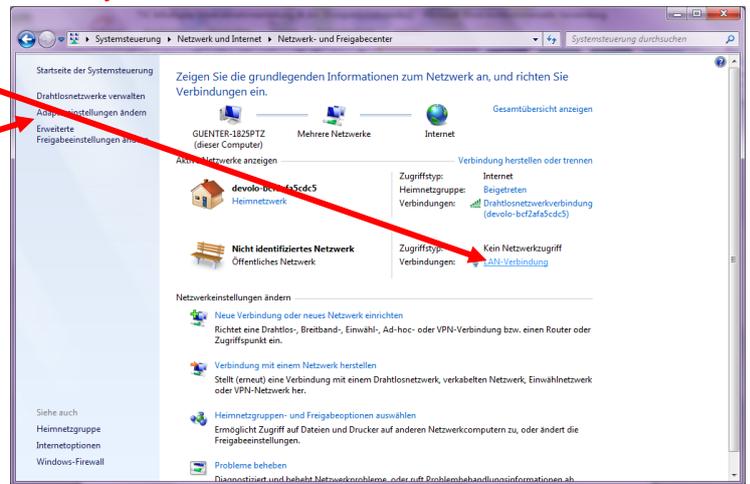


TASKBAR



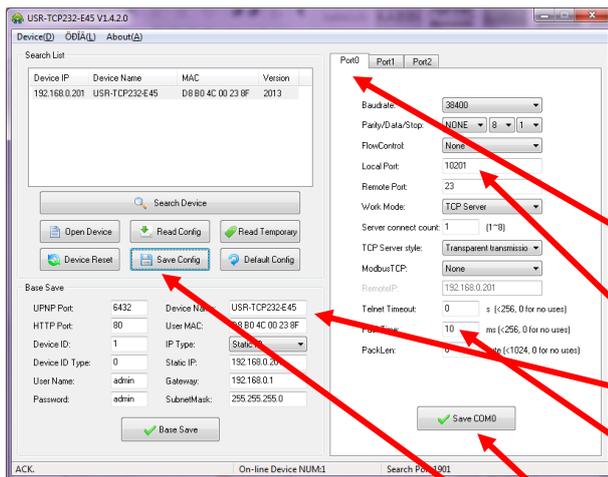
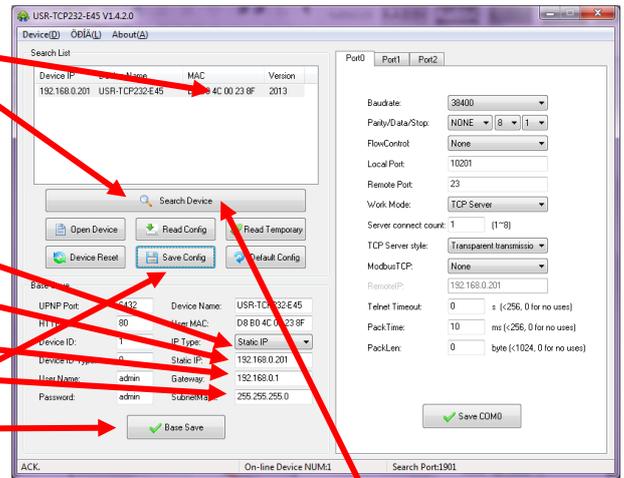
Read the MAC address of the Infodisplay:

1. Logg in „adm1“
2. Select on the taskbar or in the Windows Start menu System Control
3. Select Network and Sharing Center
4. Select LAN Connection
(Precondition: connected LAN or Ethernet modul)
Alternatively, choose change adapter settings / Ethernet or LAN connection
5. Select Details
6. Read the MAC address (physical address)



Setting up the Ethernet Interface (Type: USR) for GWA::

1. Connect the interface to the data interface of the gas warning system.
2. Connect the interface to the Infodisplay or to your PC using an Ethernet cable
3. Start the program USR Ethernet module
4. Press the button „Search Device“
5. Read the **MAC-Address** of the module and share it with the IT-Administrator
6. Use the mouse to select the edited Interface and be sure that it is in the following grey background
7. Set the **IP-Type: Static IP**
7. Enter the **IP-address** provided by the IT-Administrator
IP-address
 (Standard: 192.198.0.201 für TSC1,
 192.168.0.202 für TSC2),
Standard-Gateway (Standard 192.168.0.1)
and Subnetmask (Standard 255.255.255.0)
8. Press the button „Base Save“
9. Press the button „Save Config“
10. Recheck if the new address has been accepted and the module is found



Set up the serial interface of the GWA-LAN-1:

1. For Port 0 set the following values:
 Baud rate: 38400
 Parity/Data/stop: NONE / 8 / 1
 FlowControl: None
 Local Port: according to the IT administrator
 (Standard: 10201 für TSC1
 10202 für TSC2 ..)
 Work-Mode: TCP-Server
 Pack Time: E45: 10 ms / E2: 0 ms
 (In case of connection problems, the Pack Time can be Increased)
2. Press button „Save COM“
3. Press buton „Save Config“

Installation / Instruction

The software needs to be put into operation by the manufacturer or a trained and authorized service center.

All functions of the software are to be checked during commissioning through triggering to the connected devices. A protocol is to be made.

The operator must be trained in the handling of the software.

The operator must ensure that an appropriate commissioning and instruction takes place.

Maintenance

To maintain the security function maintenance at certain intervals is required. These are prescribed by law, in particular, they are subject to the Industrial Safety Ordinance and the rules of the trade associations.

Licensing Terms

With the installation and operation of this product, you agree to the following license terms

§ 1 Licensed operation

1.0 The software can be installed on trial on many computers. The trial version allows you an unlimited 30-day operation. To install and run the software of liability is applied according to § 2

1.1 By purchasing a license, the trial for the permanent use on a computer will be unlocked. If you want to use the same product on multiple computers or servers, you need to purchase additional licenses.

1.2 The product is unique and intended only for the buyer. You are not allowed to rent, transfer, sell, pledge or to distribute otherwise the product, without the written permission of the manufacturer

1.4 The delivery of product updates to repair or removal of software bugs under warranty are free. Product enhancements or additional modules that extend the functionality can be charged at the discretion of the manufacturer.

1.5 The software is if the time of delivery up to date in the ongoing operation a faulty condition arise, the buyer. Demand the removal of the error in a timely manner

1.6 Making the release of the trial, any buyer agree to the following terms and conditions.

§ 2 Disclaimer

2.1 The operation of the software is at your own risk. The manufacturer's liability for damages incurred due to faulty installation or by running the software on the computer, is excluded.

2.2 Furthermore, excluded is the liability for any damages caused by malfunction or operator error, and by improper use or not following the instructions.

§ 3 Sending SMS

3.1 The SMS transmission will be made via a special SMS provider. Each SMS is charged therefore, and will be billed once a year. The price per SMS is given in the current price list.

3.2 The SMS provider is selected by the manufacturer, especially for specific criteria that affect the availability of the systems.

3.3 The availability of the systems of the SMS provider is respectively 95% on an annual average. The provider does not guarantee that a properly addressed SMS by the provider to the recipient this actually achieved, as the provider has no effect of the transmission of the message on the Internet and in the network of the mobile operator's control. Due to the technical and economic dimensions of the controlled networks and depending on the radio propagation conditions (e.g. dead spot), the consignor must expect that a wireless connection can not be made at any time and in any place, or is impaired.

3.4 Are predictable maintenances required, will this be announced with a lead time of three (3) days. The maintenance work is performed in the period from 22:00 bis 6:00 clock at night. Predictable maintenance time must not exceed an average annual amount of two (2) hours per week. Predictable maintenance times are not considered in the calculation of availability.

3.5 Are unexpected maintenance required to maintain the system functionality, the operator will be informed immediately stating the start and expected finish time. For this purpose, and for all technical and organizational questions in connection with the execution of this contract, the buyer as against the seller appoints a contact point that is reachable at all times.

3.6 If a fault occurs on the system the provider, after taking note of the fault, immediately begin no later than half an hour of troubleshooting and committed on weekdays within 12 hours to remedy the situation

3.7 From the restriction or temporary cessation of service offers does not create any liability claims against the manufacturer or distributor of the software. This also applies to the provider not responsible disturbances, such as the temporary loss of telecommunications facilities or individual GSM networks. On plan changes, modifications and improvements, the operator is informed as early as possible. Impairments in the use of the GSM networks, long-term restrictions or cessation of the service offers by the provider will be notified to the parties as far as possible in time that can be initiated corresponding measure to prevent functional disadvantages.

§ 4 Maintenance

4.1 The operation of the software for security applications is a need of monitoring system and subject to the provisions of the current industrial safety regulations.

4.2 It requires a regular review of the used functions in intervals corresponding at least to the Industrial Safety Ordinance.

4.3 In order to comply with the periodic maintenance interval a service contract is recommended.

April 2019

Subject to technical changes