



Worldwide Supplier of Gas Detection Solutions

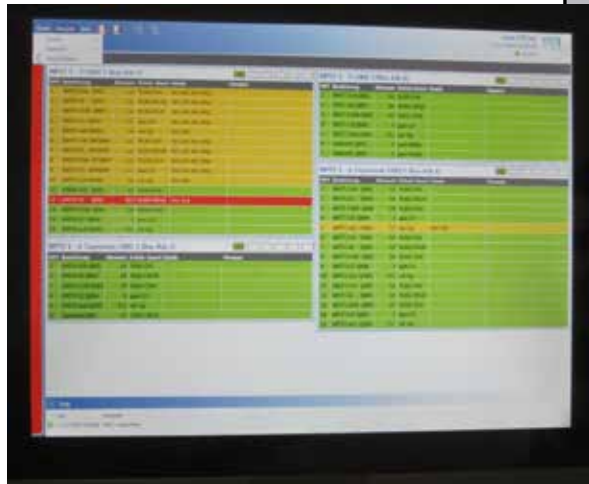


GMA200

Visualization software
Version 1.0.3

Example: 32 point GMA 200MT system in cabinet with touch screen PC controller

- GfG Visualization software allows touch screen PC or laptop to be used as remote terminal or full function GMA system controller

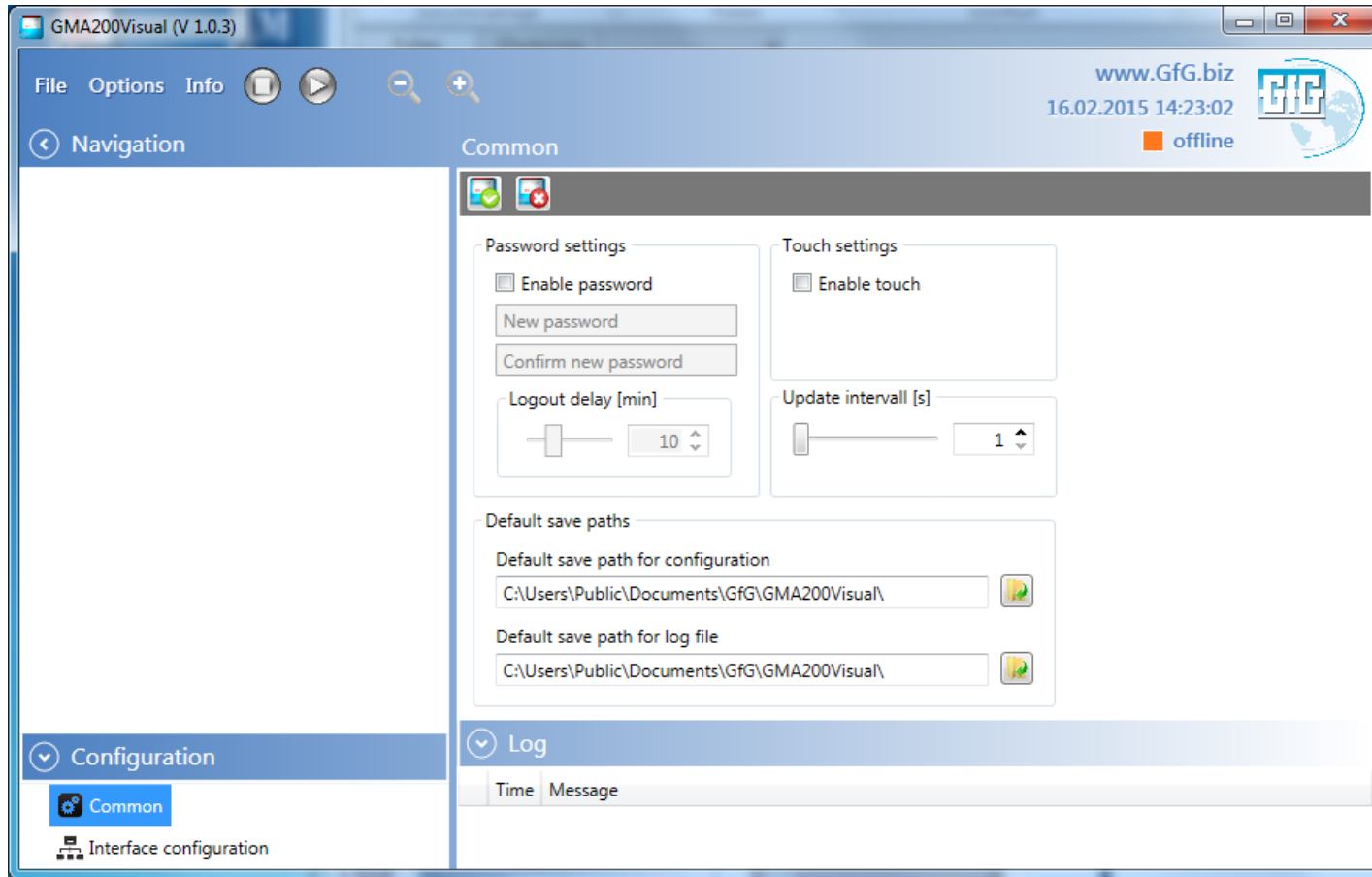


- **Example: 50 point GMA system with four 200MT controllers, five GMA200RT remote relay modules and two touch screen PC controllers**





GMA200 Visualization – Common configuration





GMA200 Visualization – Interface configuration (gateway)

GMA200Visualization (V 1.0.3)

File Options Info

www.GfG.biz
16.02.2015 14:24:19
offline

Navigation

Interface configuration

Interface configuration

- ModbusTCP-Gateway
- RS485-USB-Interface
- COM-Interface

Description (Text) Ip address

Gateway 1 192.168.37.225

New Add entry Delete entry

Description (Text)	Interface	Details
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Configuration

- Common
- Interface configuration

Log

Time	Message
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GMA200 Visualization – Interface configuration (gateway)

www.GfG.biz
16.02.2015 14:25:36
offline

Save settings
Interface configuration

ModbusTCP-Gateway
 RS485-USB-Interface
 COM-Interface

Description (Text) Ip address

New Add entry Delete entry

Description (Text)	Interface	Details
Gateway 1	ModbusTCP-Gateway	IP : 192.168.37.225
Gateway 2	ModbusTCP-Gateway	IP : 192.168.37.226

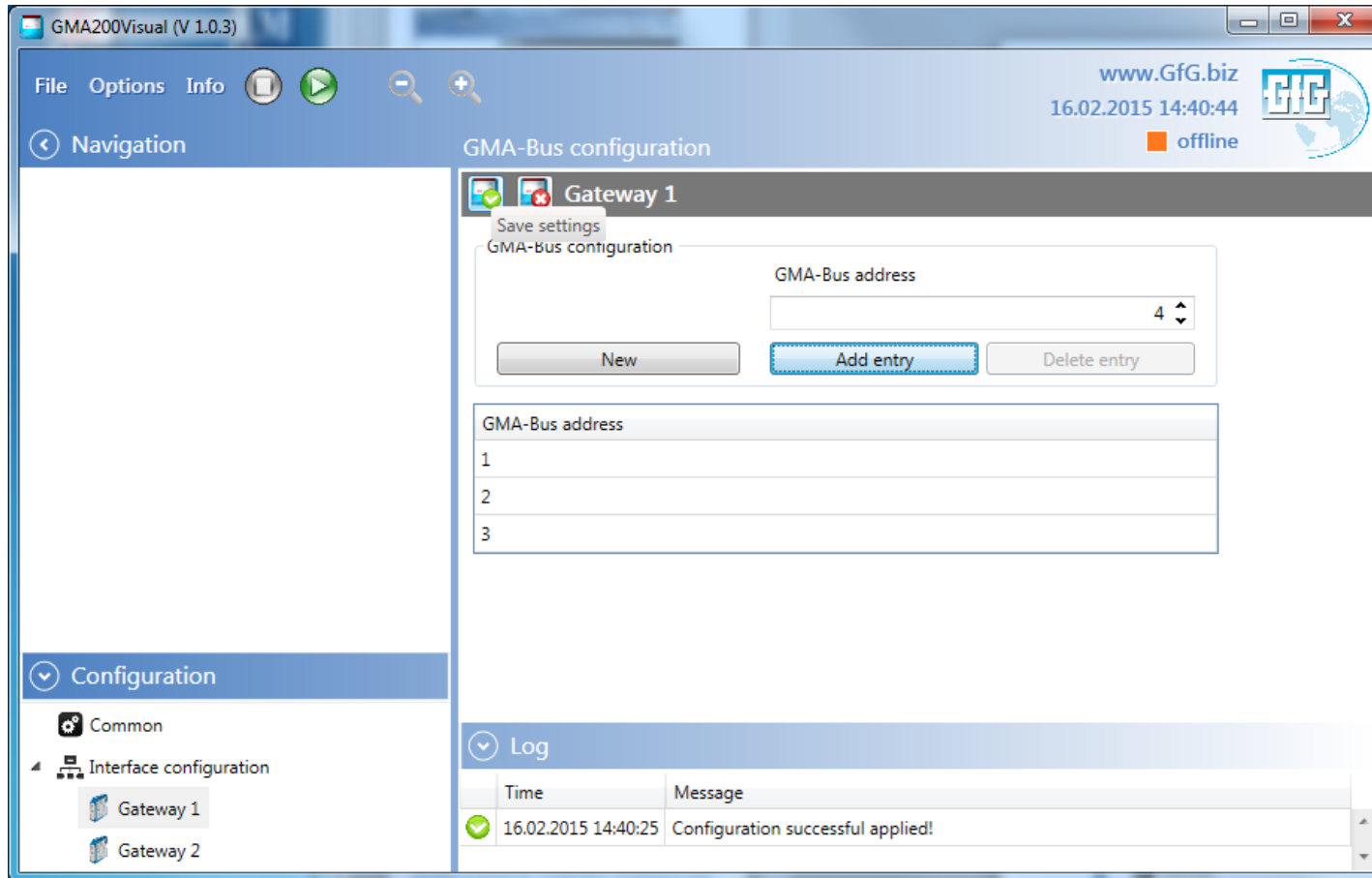
Configuration

- Common
- Interface configuration

Log

Time	Message
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GMA200 Visualization – GMA-Bus configuration (addresses)



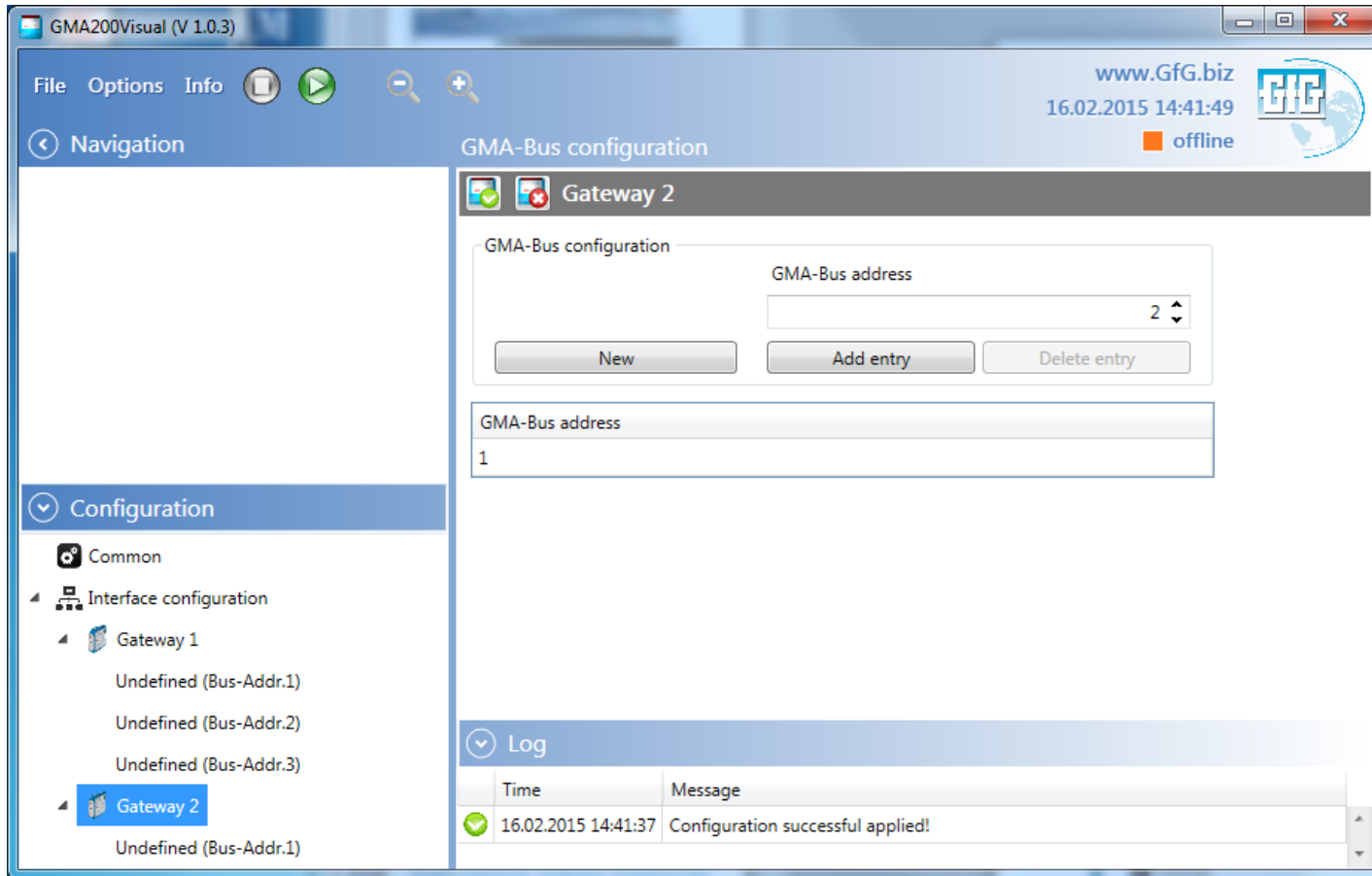
The screenshot shows the GMA200Visual (V 1.0.3) software interface. The window title is "GMA200Visual (V 1.0.3)". The menu bar includes "File", "Options", and "Info". The status bar at the top right shows "www.GfG.biz", "16.02.2015 14:40:44", and "offline".

The main interface is divided into several sections:

- Navigation:** A sidebar on the left with a "Navigation" header and a "Configuration" section containing "Common", "Interface configuration", "Gateway 1", and "Gateway 2".
- GMA-Bus configuration:** The main area is titled "GMA-Bus configuration" and shows "Gateway 1" selected. It includes a "Save settings" button, a "GMA-Bus configuration" label, a "GMA-Bus address" input field with a spinner set to "4", and buttons for "New", "Add entry", and "Delete entry". Below this is a table with the header "GMA-Bus address" and three rows containing the numbers "1", "2", and "3".
- Log:** A section at the bottom right with a "Log" header and a table showing a successful configuration event.

Time	Message
16.02.2015 14:40:25	Configuration successful applied!

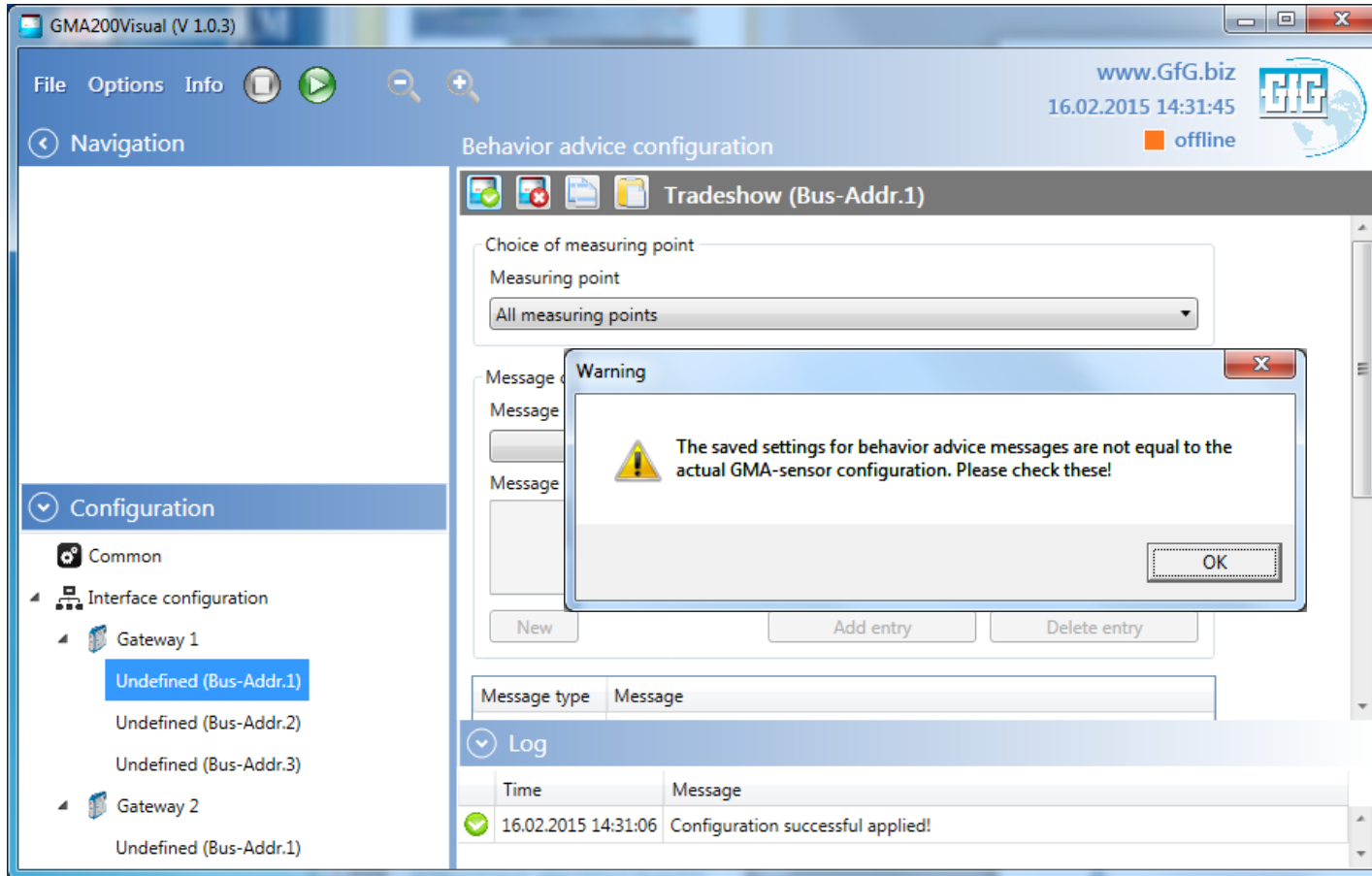
GMA200 Visualization – GMA-Bus configuration (addresses)



The screenshot displays the GMA200Visual (V 1.0.3) software interface. The window title is "GMA200Visual (V 1.0.3)". The top menu bar includes "File", "Options", and "Info". The top right corner shows the website "www.GfG.biz", the date and time "16.02.2015 14:41:49", and a status indicator "offline" with a red square. The main interface is divided into several sections:

- Navigation:** A left sidebar with a "Navigation" header and a "Configuration" section. The "Configuration" section is expanded to show a tree view: "Common", "Interface configuration", "Gateway 1" (with sub-items "Undefined (Bus-Addr.1)", "Undefined (Bus-Addr.2)", "Undefined (Bus-Addr.3)"), and "Gateway 2" (with sub-item "Undefined (Bus-Addr.1)"). "Gateway 2" is selected.
- GMA-Bus configuration:** The main area shows "Gateway 2" configuration. It includes a "GMA-Bus configuration" section with a "GMA-Bus address" input field containing the value "2" and a spinner control. Below this are three buttons: "New", "Add entry", and "Delete entry".
- GMA-Bus address:** A table below the configuration section with one entry: "1".
- Log:** A log window at the bottom right showing a successful configuration message: "16.02.2015 14:41:37 Configuration successful applied!".

GMA200 Visualization – Configuration of behavior advices

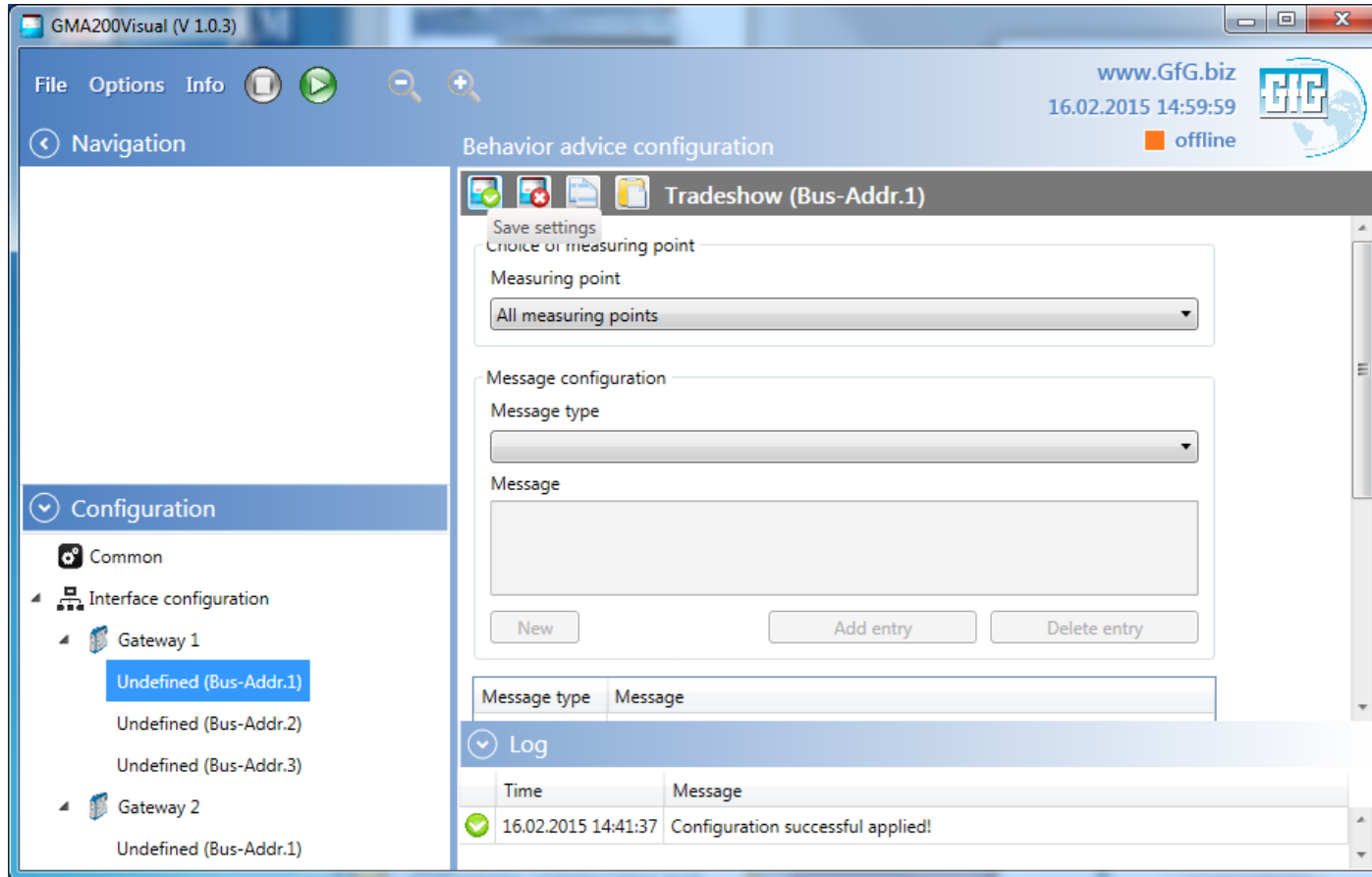


The screenshot shows the GMA200Visual (V 1.0.3) software interface. The main window title is "GMA200Visual (V 1.0.3)". The menu bar includes "File", "Options", and "Info". The status bar at the top right shows "www.GfG.biz", "16.02.2015 14:31:45", and "offline".

The interface is divided into several sections:

- Navigation:** A sidebar on the left with a "Navigation" header and a "Configuration" section. Under "Configuration", there are "Common", "Interface configuration", "Gateway 1", and "Gateway 2". Under "Gateway 1", there are four entries: "Undefined (Bus-Addr.1)" (highlighted in blue), "Undefined (Bus-Addr.2)", "Undefined (Bus-Addr.3)", and "Undefined (Bus-Addr.1)".
- Behavior advice configuration:** The main area shows the configuration for "Tradeshow (Bus-Addr.1)". It includes a "Choice of measuring point" section with a "Measuring point" dropdown menu set to "All measuring points". Below this are "Message" input fields and buttons for "New", "Add entry", and "Delete entry".
- Warning Dialog:** A modal dialog box titled "Warning" is displayed in the center. It contains a yellow warning icon and the text: "The saved settings for behavior advice messages are not equal to the actual GMA-sensor configuration. Please check these!". An "OK" button is at the bottom right.
- Log:** A "Log" section at the bottom shows a table with columns "Time" and "Message". A single entry is visible: "16.02.2015 14:31:06" with the message "Configuration successful applied!".

GMA200 Visualization – Configuration of behavior advices



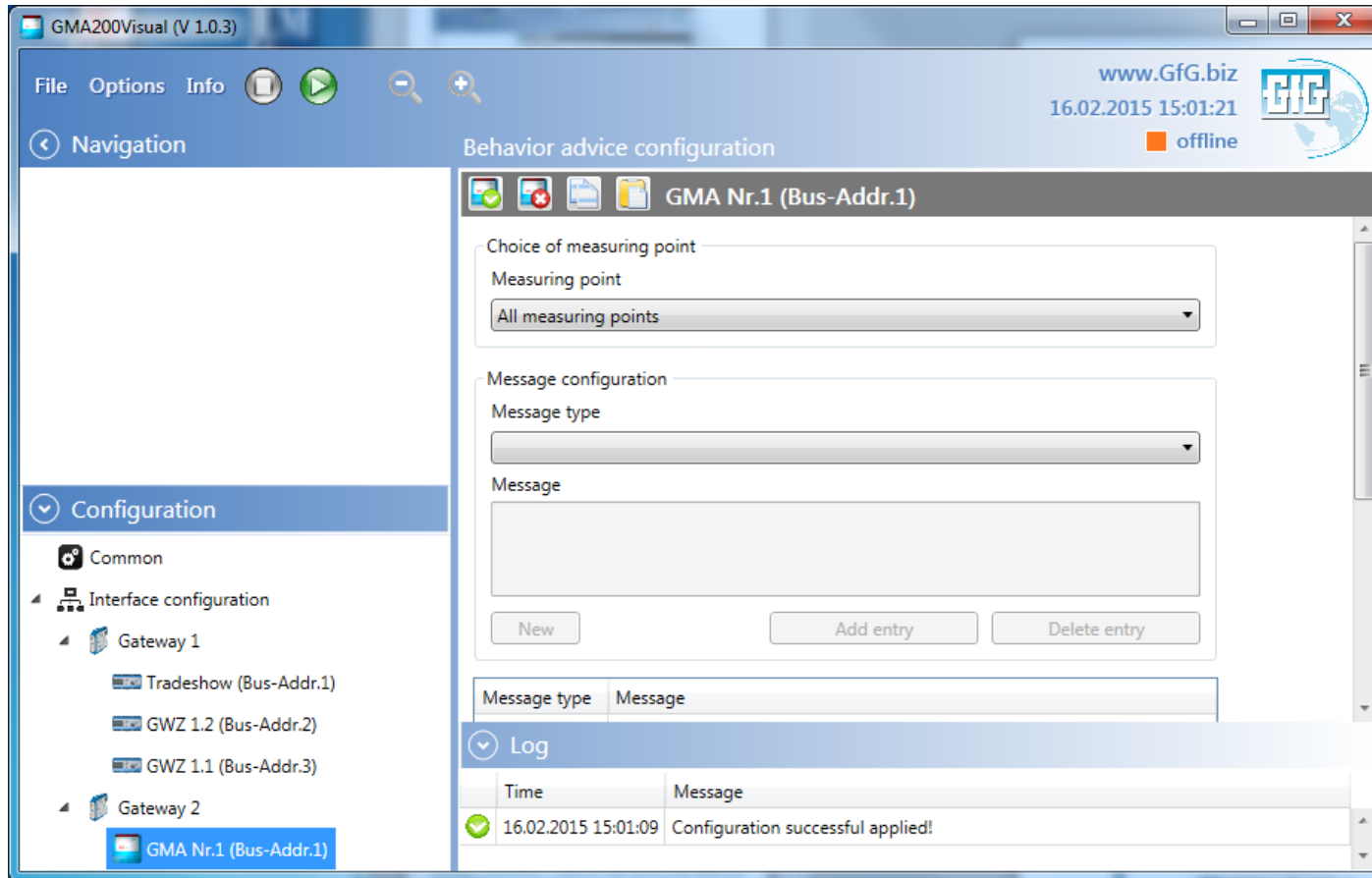
The screenshot shows the GMA200Visual (V 1.0.3) software interface. The window title is "GMA200Visual (V 1.0.3)". The top menu bar includes "File", "Options", and "Info". The top right corner displays "www.GfG.biz", the date and time "16.02.2015 14:59:59", and a status indicator "offline".

The main interface is divided into several sections:

- Navigation:** A sidebar on the left with a "Navigation" button and a "Configuration" section. Under "Configuration", there are "Common" and "Interface configuration" (expanded). Under "Interface configuration", there are "Gateway 1" and "Gateway 2". Under "Gateway 1", there are three "Undefined (Bus-Addr.x)" entries. Under "Gateway 2", there is one "Undefined (Bus-Addr.1)" entry.
- Behavior advice configuration:** The main area is titled "Behavior advice configuration" and shows the configuration for "Tradeshow (Bus-Addr.1)". It includes:
 - Save settings:** A button.
 - Choice of measuring point:** A dropdown menu currently set to "All measuring points".
 - Message configuration:** A section with a "Message type" dropdown menu and a "Message" text area.
 - Buttons:** "New", "Add entry", and "Delete entry" buttons.
 - Table:** A table with columns "Message type" and "Message".
- Log:** A section at the bottom showing a log entry:

Time	Message
16.02.2015 14:41:37	Configuration successful applied!

GMA200 Visualization – Configuration of behavior advices



The screenshot displays the GMA200Visual (V 1.0.3) software interface. The window title is "GMA200Visual (V 1.0.3)". The top menu bar includes "File", "Options", and "Info". The top right corner shows the website "www.GfG.biz", the date and time "16.02.2015 15:01:21", and a status indicator "offline".

The main area is titled "Behavior advice configuration" and is currently set to "GMA Nr.1 (Bus-Addr.1)". It contains the following configuration options:

- Choice of measuring point:** A dropdown menu currently set to "All measuring points".
- Message configuration:** A section containing a "Message type" dropdown menu and a text area for the "Message". Below this are three buttons: "New", "Add entry", and "Delete entry".

A "Log" window is open at the bottom, showing a single entry:

Time	Message
16.02.2015 15:01:09	Configuration successful applied!

GMA200 Visualization – Start of measuring value display



GMA200 Visualization – Overall view

GMA200Visual (V 1.0.3)

File Options Info

www.GfG.biz
17.02.2015 17:40:54
online

Navigation

- Overall view
 - Gateway 1
 - Tradeshow (Bus-Addr.1)
 - GWZ 1.2 (Bus-Addr.2)
 - GWZ 1.1 (Bus-Addr.3)
 - Gateway 2
 - GMA Nr.1 (Bus-Addr.1)

Overall view

Gateway 1: Tradeshow (Bus-Addr.1) GMA ON

MSP	Description	Measuring val.	Unit	Gas	Details	Advice
2	SH1201424 CCO2	0.5	%LEL	CH4		
3	SH1206366 CCO2	5.5	%LEL	CH4		
4	SH1222 CO2	0.10	Vol%	CO2		
5	SH1222 O2	---	Vol%	O2	SRV, ZNH, UR, SRQ	
6	SH1222 Schalter	0	%	---		
7	SH1222 CO	---	ppm	CO	SRV, ZNH	
8	SH1222 O2	20.7	Vol%	O2		
9	SH1222 O2	20.7	Vol%	O2		
10	SH1222 H2S	0.2	%LEL	CH4		
11	SH1222 O2	---	Vol%	O2	SRV, ZNH	
12	SH1222 H2S	---	ppm	H2S	SRV, ZNH	
13	SH1222 O2	20.9	Vol%	O2		
14	SH1222 O2	18.8	Vol%	O2		
15	SH1222 O2	20.5	Vol%	O2		
16	SH1222 O2	20.5	Vol%	O2		

Gateway 1: GWZ 1.2 (Bus-Addr.2) GMA ON

MSP	Description	Measuring val.	Unit	Gas	Details	Advice
1	MPST1 CH4 Q001	0.0	%LEL	CH4		
2	MPST1 HC Q002	0.0	%LEL	CH4O2		
3	MPST1 CH4 Q003	0.0	%LEL	CH4		
4	MPST1 CO Q004	0	ppm	CO		
5	MPST1 Leak Q0001	4.0	mA	Sig.		
6	MPST1 CH4 Q001	0.0	%LEL	CH4		
7	MPST1 HC Q002	0.0	%LEL	CH4O2		
8	MPST1 CH4 Q003	0.0	%LEL	CH4		
9	MPST1 CO Q004	0	ppm	CO		
10	MPST1 Leak Q0001	4.0	mA	Sig.		
11	MPST1 CH4 Q000	0.0	%LEL	CH4		
12	MPST1 HC Q0002	0.0	%LEL	CH4O2		
13	MPST1 CH4 Q0003	0.0	%LEL	CH4		
14	MPST1 CO Q0004	0	ppm	CO		
15	MPST1 Leak Q0001	4.0	mA	Sig.		

Gateway 1: GWZ 1.1 (Bus-Addr.3) GMA ON

MSP	Description	Measuring val.	Unit	Gas	Details	Advice
1	MPST4 CH4 Q002	0.0	%LEL	CH4		
2	MPST4 HC Q002	0.0	%LEL	CH4O2		
3	MPST4 CH4 Q003	0.0	%LEL	CH4		
4	MPST4 CO Q004	0	ppm	CO		
5	MPST4 Leak Q0001	3.9	mA	Sig.		
6	Tagetank Q001	0.0	%LEL	CH4O2		

Gateway 2: GMA Nr.1 (Bus-Addr.1) GMA ON

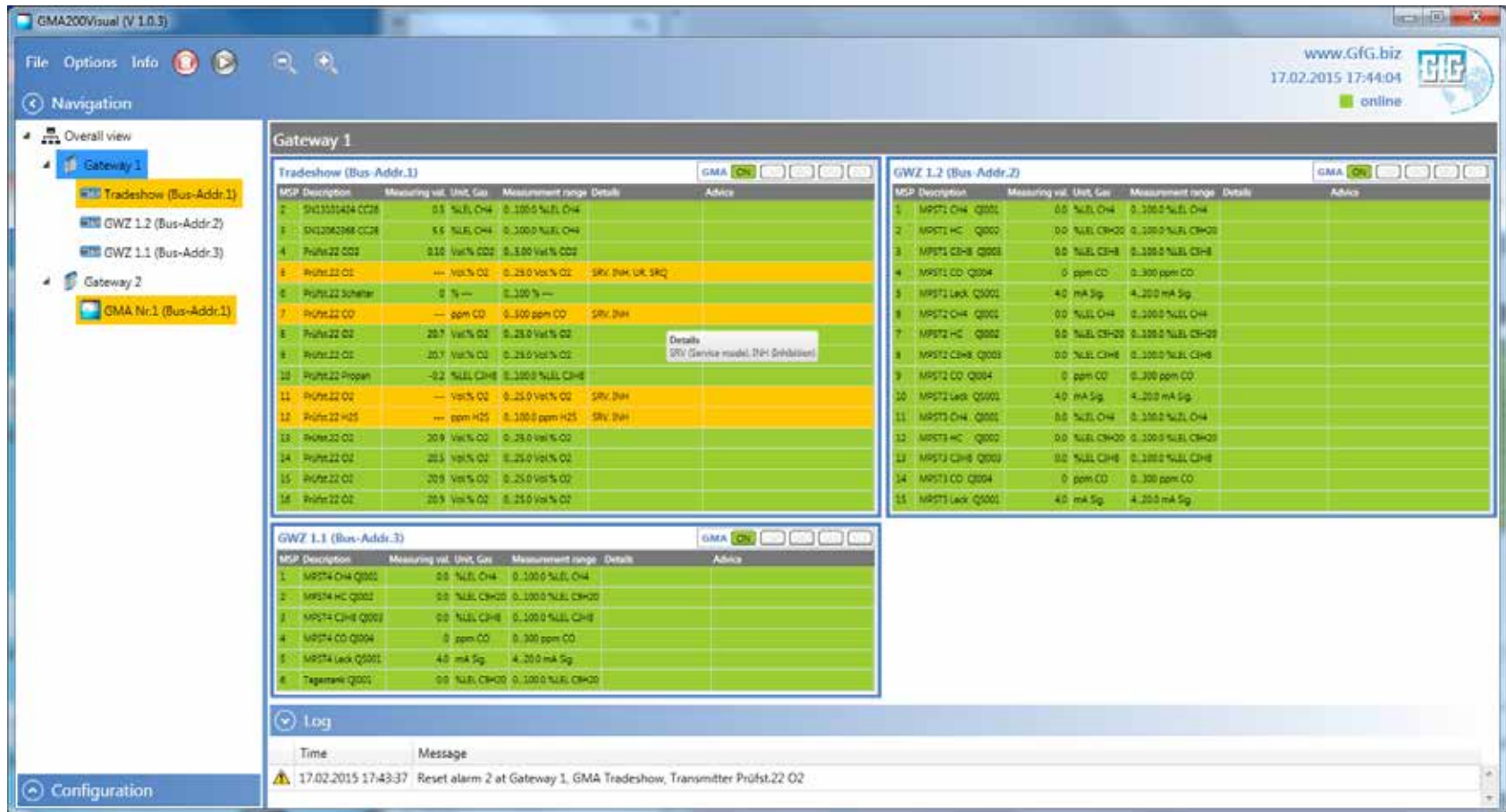
MSP	Description	Measuring val.	Unit	Gas	Details	Advice
1	CC24 CH4	111	%LEL	CH4	FLT, UR, SRQ	
2	CC24 CO	111	ppm	CO	FLT, UR, SRQ	
3		111	---	---	FLT, UR, SRQ	
4		111	---	---	FLT, UR, SRQ	
5		111	---	---	FLT, UR, SRQ	

Log

Time	Message
17.02.2015 17:40:14	GWZ 1.1 connected.

Configuration

GMA200 Visualization – GMAs connected to Gateway 1



The screenshot displays the GMA200Visual (V 1.0.3) software interface. The top menu includes File, Options, and Info. The navigation pane on the left shows a tree view with Gateway 1 selected, containing Tradeshaw (Bus-Addr.1), GWZ 1.2 (Bus-Addr.2), and GWZ 1.1 (Bus-Addr.3). Gateway 2 is also visible with GMA Nr.1 (Bus-Addr.1).

The main area shows three data tables for Gateway 1:

Gateway 1 - Tradeshaw (Bus-Addr.1)

MSP	Description	Measuring val.	Unit, Gas	Measurement range	Details	Advice
2	SH1311474 CC28	0.5	%LEL, CH4	0...100.0 %LEL, CH4		
3	SH1204268 CC28	5.6	%LEL, CH4	0...100.0 %LEL, CH4		
4	Prüfst.22 CO2	0.10	Vol% CO2	0...1.00 Vol% CO2		
6	Prüfst.22 O2	—	Vol% O2	0...25.0 Vol% O2	SRV, DNH, UK, SRQ	
8	Prüfst.22 Sulfater	0	%	0...100 %		
7	Prüfst.22 CO	—	ppm CO	0...500 ppm CO	SRV, DNH	
9	Prüfst.22 O2	20.7	Vol% O2	0...25.0 Vol% O2		
8	Prüfst.22 O2	20.7	Vol% O2	0...25.0 Vol% O2		
10	Prüfst.22 Propan	-0.2	%LEL, C3H8	0...100.0 %LEL, C3H8		
11	Prüfst.22 O2	—	Vol% O2	0...25.0 Vol% O2	SRV, DNH	
12	Prüfst.22 H2S	—	ppm H2S	0...100.0 ppm H2S	SRV, DNH	
13	Prüfst.22 O2	20.9	Vol% O2	0...25.0 Vol% O2		
14	Prüfst.22 O2	20.5	Vol% O2	0...25.0 Vol% O2		
15	Prüfst.22 O2	20.8	Vol% O2	0...25.0 Vol% O2		
16	Prüfst.22 O2	20.9	Vol% O2	0...25.0 Vol% O2		

Gateway 1 - GWZ 1.2 (Bus-Addr.2)

MSP	Description	Measuring val.	Unit, Gas	Measurement range	Details	Advice
1	MR571 CH4 Q001	0.0	%LEL, CH4	0...100.0 %LEL, CH4		
2	MR571 HC Q000	0.0	%LEL, C3H8	0...100.0 %LEL, C3H8		
3	MR571 C3H8 Q003	0.0	%LEL, C3H8	0...100.0 %LEL, C3H8		
4	MR571 CO Q004	0	ppm CO	0...300 ppm CO		
5	MR571 Leak Q001	4.0	mA Sg	4...20.0 mA Sg		
8	MR571 O2 Q001	0.0	%LEL, CH4	0...100.0 %LEL, CH4		
7	MR571 HC Q002	0.0	%LEL, C3H8	0...100.0 %LEL, C3H8		
8	MR571 C3H8 Q003	0.0	%LEL, C3H8	0...100.0 %LEL, C3H8		
9	MR571 CO Q004	0	ppm CO	0...300 ppm CO		
10	MR571 Leak Q001	4.0	mA Sg	4...20.0 mA Sg		
11	MR571 CH4 Q001	0.0	%LEL, CH4	0...100.0 %LEL, CH4		
12	MR571 HC Q000	0.0	%LEL, C3H8	0...100.0 %LEL, C3H8		
13	MR571 C3H8 Q003	0.0	%LEL, C3H8	0...100.0 %LEL, C3H8		
14	MR571 CO Q004	0	ppm CO	0...300 ppm CO		
15	MR571 Leak Q001	4.0	mA Sg	4...20.0 mA Sg		

Gateway 1 - GWZ 1.1 (Bus-Addr.3)

MSP	Description	Measuring val.	Unit, Gas	Measurement range	Details	Advice
1	MR574 CH4 Q001	0.0	%LEL, CH4	0...100.0 %LEL, CH4		
2	MR574 HC Q001	0.0	%LEL, C3H8	0...100.0 %LEL, C3H8		
3	MR574 C3H8 Q001	0.0	%LEL, C3H8	0...100.0 %LEL, C3H8		
4	MR574 CO Q004	0	ppm CO	0...300 ppm CO		
5	MR574 Leak Q001	4.0	mA Sg	4...20.0 mA Sg		
6	Tageranki Q001	0.0	%LEL, C3H8	0...100.0 %LEL, C3H8		

The Log window shows a message: 17.02.2015 17:43:37 Reset alarm 2 at Gateway 1, GMA Tradeshaw, Transmitter Prüfst.22 O2.



GMA200 Visualization – Single View (GMA with alarm 1)

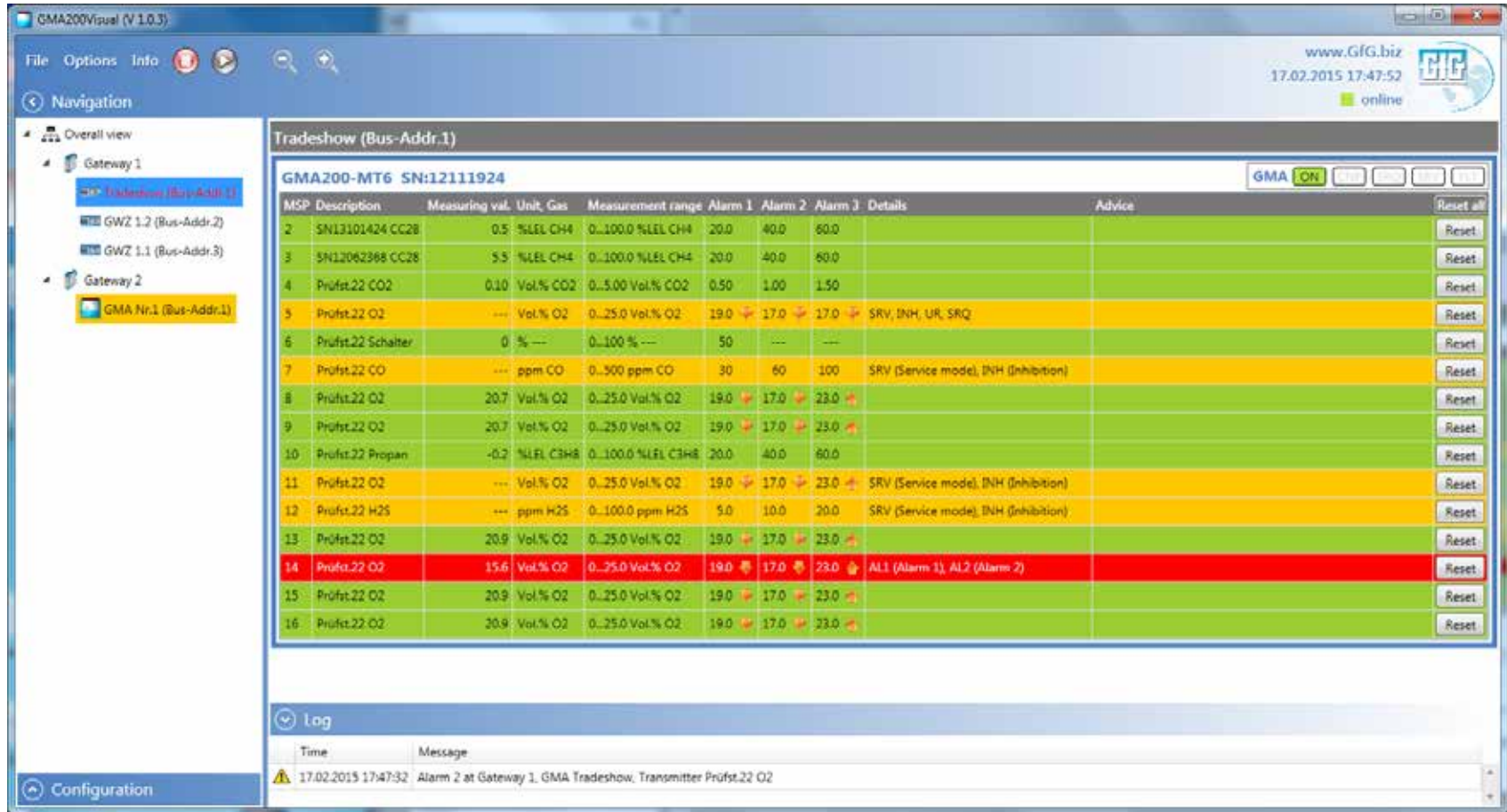
The screenshot shows the GMA200Visual V1.0.3 software interface. The main window displays a table of gas detection data for a device labeled 'GMA200-MT6 SN:12111924'. The table has columns for MSP, Description, Measuring val., Unit, Gas, Measurement range, Alarm 1, Alarm 2, Alarm 3, Details, Advice, and a 'Reset all' button. Row 14 is highlighted in red, indicating an active alarm: 'Prüfst.22 O2' with a value of 18.6 Vol.% O2, which is above the 23.0 Vol.% O2 alarm threshold. The 'Details' column for this row shows 'AL1 (Alarm 1)'. The 'Advice' column is empty. The 'Reset all' button is present for each row.

MSP	Description	Measuring val.	Unit	Gas	Measurement range	Alarm 1	Alarm 2	Alarm 3	Details	Advice	Reset all
2	SN13101424 CC28	0.5	%LEL	CH4	0..100.0 %LEL CH4	20.0	40.0	60.0			Reset
3	SN12062368 CC28	5.5	%LEL	CH4	0..100.0 %LEL CH4	20.0	40.0	60.0			Reset
4	Prüfst.22 CO2	0.10	Vol.%	CO2	0..5.00 Vol.% CO2	0.50	1.00	1.50			Reset
5	Prüfst.22 O2	---	Vol.%	O2	0..25.0 Vol.% O2	19.0	17.0	17.0	SRV, INH, UR, SRQ		Reset
6	Prüfst.22 Schalter	0	%	---	0..100 %	50	---	---			Reset
7	Prüfst.22 CO	---	ppm	CO	0..500 ppm CO	30	60	100	SRV (Service mode), INH (Inhibition)		Reset
8	Prüfst.22 O2	20.7	Vol.%	O2	0..25.0 Vol.% O2	19.0	17.0	23.0			Reset
9	Prüfst.22 O2	20.7	Vol.%	O2	0..25.0 Vol.% O2	19.0	17.0	23.0			Reset
10	Prüfst.22 Propan	-0.3	%LEL	C3H8	0..100.0 %LEL C3H8	20.0	40.0	60.0			Reset
11	Prüfst.22 O2	---	Vol.%	O2	0..25.0 Vol.% O2	19.0	17.0	23.0	SRV (Service mode), INH (Inhibition)		Reset
12	Prüfst.22 H2S	---	ppm	H2S	0..100.0 ppm H2S	5.0	10.0	20.0	SRV (Service mode), INH (Inhibition)		Reset
13	Prüfst.22 O2	20.9	Vol.%	O2	0..25.0 Vol.% O2	19.0	17.0	23.0			Reset
14	Prüfst.22 O2	18.6	Vol.%	O2	0..25.0 Vol.% O2	19.0	17.0	23.0	AL1 (Alarm 1)		Reset
15	Prüfst.22 O2	20.9	Vol.%	O2	0..25.0 Vol.% O2	19.0	17.0	23.0			Reset
16	Prüfst.22 O2	20.9	Vol.%	O2	0..25.0 Vol.% O2	19.0	17.0	23.0			Reset

The interface also shows a 'Log' section at the bottom with the following entry:

Time	Message
17.02.2015 17:45:35	Alarm 1 at Gateway 1, GMA Tradeshow, Transmitter Prüfst.22 O2

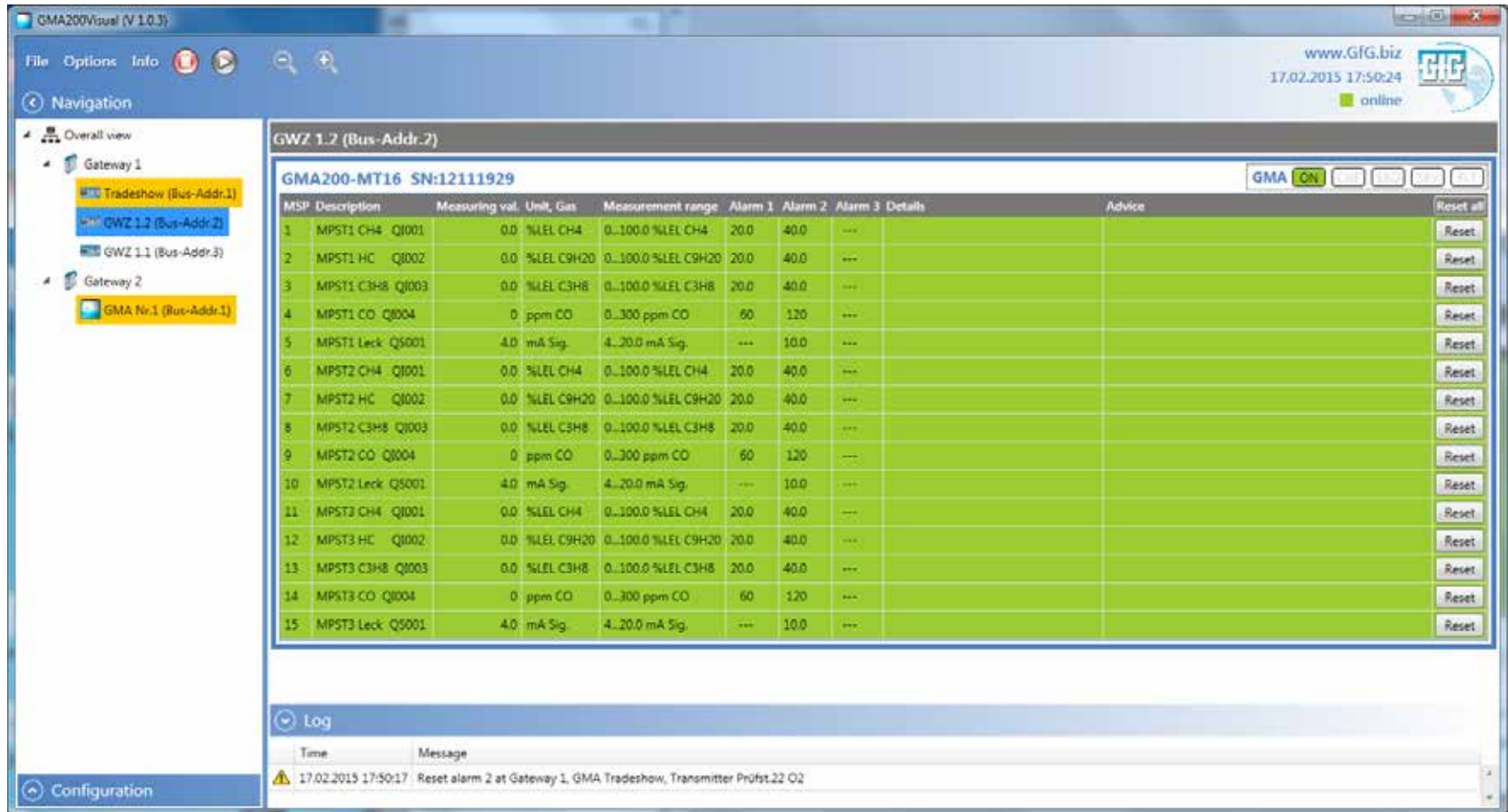
GMA200 Visualization – Single View (GMA with alarm 2)



The screenshot shows the GMA200Visual (V 1.0.3) software interface. The main window displays a table of gas detection data for a device named 'Tradeshow (Bus-Addr.1)'. The table has columns for MSP, Description, Measuring val., Unit, Gas, Measurement range, Alarm 1, Alarm 2, Alarm 3, Details, Advice, and a 'Reset all' button. The status 'GMA ON' is visible in the top right corner of the main window. A log window at the bottom shows a message: '17.02.2015 17:47:32 Alarm 2 at Gateway 1, GMA Tradeshow, Transmitter Prüfst.22 O2'.

MSP	Description	Measuring val.	Unit	Gas	Measurement range	Alarm 1	Alarm 2	Alarm 3	Details	Advice	Reset all
2	SN13101424 CC28	0.5	%LEL	CH4	0...100.0 %LEL CH4	20.0	40.0	80.0			Reset
3	SN12082368 CC28	5.5	%LEL	CH4	0...100.0 %LEL CH4	20.0	40.0	80.0			Reset
4	Prüfst.22 CO2	0.10	Vol.%	CO2	0...5.00 Vol.% CO2	0.50	1.00	1.50			Reset
5	Prüfst.22 O2	---	Vol.%	O2	0...25.0 Vol.% O2	19.0	17.0	17.0	SRV, INH, UR, SRQ		Reset
6	Prüfst.22 Schalter	0	%	---	0...100 %	50	---	---			Reset
7	Prüfst.22 CO	---	ppm	CO	0...500 ppm CO	30	60	100	SRV (Service mode), INH (Inhibition)		Reset
8	Prüfst.22 O2	20.7	Vol.%	O2	0...25.0 Vol.% O2	19.0	17.0	23.0			Reset
9	Prüfst.22 O2	20.7	Vol.%	O2	0...25.0 Vol.% O2	19.0	17.0	23.0			Reset
10	Prüfst.22 Propan	-0.2	%LEL	C3H8	0...100.0 %LEL C3H8	20.0	40.0	60.0			Reset
11	Prüfst.22 O2	---	Vol.%	O2	0...25.0 Vol.% O2	19.0	17.0	23.0	SRV (Service mode), INH (Inhibition)		Reset
12	Prüfst.22 H2S	---	ppm	H2S	0...100.0 ppm H2S	5.0	10.0	20.0	SRV (Service mode), INH (Inhibition)		Reset
13	Prüfst.22 O2	20.9	Vol.%	O2	0...25.0 Vol.% O2	19.0	17.0	23.0			Reset
14	Prüfst.22 O2	15.6	Vol.%	O2	0...25.0 Vol.% O2	19.0	17.0	23.0	AL1 (Alarm 1), AL2 (Alarm 2)		Reset
15	Prüfst.22 O2	20.9	Vol.%	O2	0...25.0 Vol.% O2	19.0	17.0	23.0			Reset
16	Prüfst.22 O2	20.9	Vol.%	O2	0...25.0 Vol.% O2	19.0	17.0	23.0			Reset

GMA200 Visualization – Single View (GMA w/o alarm)



The screenshot shows the GMA200Visual (V 1.0.3) software interface. The main window displays a table of gas detection sensors for Gateway 1, specifically for the GMA200-MT16 (SN:12111929). The table has columns for MSP, Description, Measuring val., Unit, Gas, Measurement range, Alarm 1, Alarm 2, Alarm 3, Details, Advice, and a Reset button. The status of the GMA is shown as 'ON'.

MSP	Description	Measuring val.	Unit	Gas	Measurement range	Alarm 1	Alarm 2	Alarm 3	Details	Advice	Reset all
1	MPST1 CH4 QI001	0.0	%LEL	CH4	0...100.0 %LEL CH4	20.0	40.0	---			Reset
2	MPST1 HC QI002	0.0	%LEL	C9H20	0...100.0 %LEL C9H20	20.0	40.0	---			Reset
3	MPST1 C3H8 QI003	0.0	%LEL	C3H8	0...100.0 %LEL C3H8	20.0	40.0	---			Reset
4	MPST1 CO QI004	0	ppm	CO	0...300 ppm CO	60	120	---			Reset
5	MPST1 Leck QS001	4.0	mA Sig.		4...20.0 mA Sig.	---	10.0	---			Reset
6	MPST2 CH4 QI001	0.0	%LEL	CH4	0...100.0 %LEL CH4	20.0	40.0	---			Reset
7	MPST2 HC QI002	0.0	%LEL	C9H20	0...100.0 %LEL C9H20	20.0	40.0	---			Reset
8	MPST2 C3H8 QI003	0.0	%LEL	C3H8	0...100.0 %LEL C3H8	20.0	40.0	---			Reset
9	MPST2 CO QI004	0	ppm	CO	0...300 ppm CO	60	120	---			Reset
10	MPST2 Leck QS001	4.0	mA Sig.		4...20.0 mA Sig.	---	10.0	---			Reset
11	MPST3 CH4 QI001	0.0	%LEL	CH4	0...100.0 %LEL CH4	20.0	40.0	---			Reset
12	MPST3 HC QI002	0.0	%LEL	C9H20	0...100.0 %LEL C9H20	20.0	40.0	---			Reset
13	MPST3 C3H8 QI003	0.0	%LEL	C3H8	0...100.0 %LEL C3H8	20.0	40.0	---			Reset
14	MPST3 CO QI004	0	ppm	CO	0...300 ppm CO	60	120	---			Reset
15	MPST3 Leck QS001	4.0	mA Sig.		4...20.0 mA Sig.	---	10.0	---			Reset

Log

Time	Message
17.02.2015 17:50:17	Reset alarm 2 at Gateway 1, GMA Tradeshow, Transmitter Prüfst.22 O2

GMA200 Visualization – View w/o Navigation (Fault)

GMA200Visual (V 1.0.3)

File Options Info

www.GfG.biz
17.02.2015 17:51:19
online

GWZ 1.2 (Bus-Addr.2)

GMA200-MT16 SN:12111929

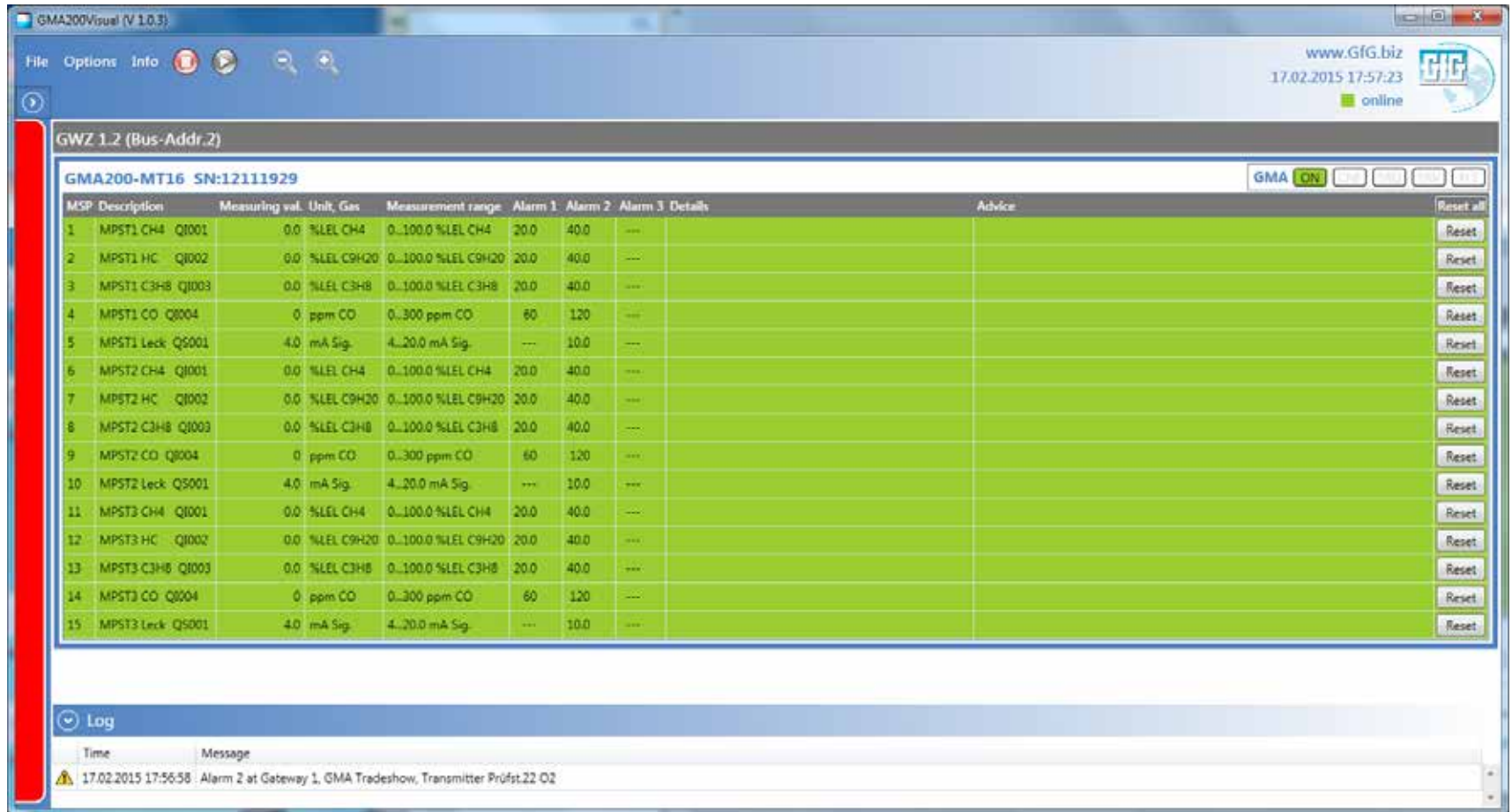
GMA **ON**

MSP	Description	Measuring val.	Unit	Gas	Measurement range	Alarm 1	Alarm 2	Alarm 3	Details	Advice	Reset all
1	MPST1 CH4	QI001	0.0	%LEL CH4	0...100.0 %LEL CH4	20.0	40.0	---			Reset
2	MPST1 HC	QI002	0.0	%LEL C9H20	0...100.0 %LEL C9H20	20.0	40.0	---			Reset
3	MPST1 C3H8	QI003	0.0	%LEL C3H8	0...100.0 %LEL C3H8	20.0	40.0	---			Reset
4	MPST1 CO	QI004	0	ppm CO	0...300 ppm CO	60	120	---			Reset
5	MPST1 Leck	QS001	4.0	mA Sig.	4...20.0 mA Sig.	---	10.0	---			Reset
6	MPST2 CH4	QI001	0.0	%LEL CH4	0...100.0 %LEL CH4	20.0	40.0	---			Reset
7	MPST2 HC	QI002	0.0	%LEL C9H20	0...100.0 %LEL C9H20	20.0	40.0	---			Reset
8	MPST2 C3H8	QI003	0.0	%LEL C3H8	0...100.0 %LEL C3H8	20.0	40.0	---			Reset
9	MPST2 CO	QI004	0	ppm CO	0...300 ppm CO	60	120	---			Reset
10	MPST2 Leck	QS001	4.0	mA Sig.	4...20.0 mA Sig.	---	10.0	---			Reset
11	MPST3 CH4	QI001	0.0	%LEL CH4	0...100.0 %LEL CH4	20.0	40.0	---			Reset
12	MPST3 HC	QI002	0.0	%LEL C9H20	0...100.0 %LEL C9H20	20.0	40.0	---			Reset
13	MPST3 C3H8	QI003	0.0	%LEL C3H8	0...100.0 %LEL C3H8	20.0	40.0	---			Reset
14	MPST3 CO	QI004	0	ppm CO	0...300 ppm CO	60	120	---			Reset
15	MPST3 Leck	QS001	4.0	mA Sig.	4...20.0 mA Sig.	---	10.0	---			Reset

Log

Time	Message
17.02.2015 17:50:17	Reset alarm 2 at Gateway 1, GMA Tradeshow, Transmitter Prüfst.22 O2

GMA200 Visualization – View w/o Navigation (Alarm)



The screenshot displays the GMA200Visual (V 1.0.3) software interface. The title bar shows the application name and version. The menu bar includes File, Options, and Info. The status bar at the top right displays the website www.GfG.biz, the date and time 17.02.2015 17:57:23, and an online status indicator. The main window title is GWZ 1.2 (Bus-Addr.2). Below this, the device information GMA200-MT16 SN:12111929 is shown, along with a GMA ON indicator and several control buttons. The central part of the interface is a table with 15 rows, each representing a different gas detection point. The table columns are: MSP, Description, Measuring val., Unit, Gas, Measurement range, Alarm 1, Alarm 2, Alarm 3, Details, Advice, and a Reset button. The bottom section of the interface is a Log window showing a message: 17.02.2015 17:56:58 : Alarm 2 at Gateway 1, GMA Tradeshow, Transmitter Prüfst.22 O2.

MSP	Description	Measuring val.	Unit	Gas	Measurement range	Alarm 1	Alarm 2	Alarm 3	Details	Advice	Reset
1	MPST1 CH4 QI001	0.0	%LEL	CH4	0...100.0 %LEL CH4	20.0	40.0	---			Reset
2	MPST1 HC QI002	0.0	%LEL	C9H20	0...100.0 %LEL C9H20	20.0	40.0	---			Reset
3	MPST1 C3H8 QI003	0.0	%LEL	C3H8	0...100.0 %LEL C3H8	20.0	40.0	---			Reset
4	MPST1 CO QI004	0	ppm	CO	0...300 ppm CO	60	120	---			Reset
5	MPST1 Leck Q5001	4.0	mA Sig.		4...20.0 mA Sig.	---	10.0	---			Reset
6	MPST2 CH4 QI001	0.0	%LEL	CH4	0...100.0 %LEL CH4	20.0	40.0	---			Reset
7	MPST2 HC QI002	0.0	%LEL	C9H20	0...100.0 %LEL C9H20	20.0	40.0	---			Reset
8	MPST2 C3H8 QI003	0.0	%LEL	C3H8	0...100.0 %LEL C3H8	20.0	40.0	---			Reset
9	MPST2 CO QI004	0	ppm	CO	0...300 ppm CO	60	120	---			Reset
10	MPST2 Leck Q5001	4.0	mA Sig.		4...20.0 mA Sig.	---	10.0	---			Reset
11	MPST3 CH4 QI001	0.0	%LEL	CH4	0...100.0 %LEL CH4	20.0	40.0	---			Reset
12	MPST3 HC QI002	0.0	%LEL	C9H20	0...100.0 %LEL C9H20	20.0	40.0	---			Reset
13	MPST3 C3H8 QI003	0.0	%LEL	C3H8	0...100.0 %LEL C3H8	20.0	40.0	---			Reset
14	MPST3 CO QI004	0	ppm	CO	0...300 ppm CO	60	120	---			Reset
15	MPST3 Leck Q5001	4.0	mA Sig.		4...20.0 mA Sig.	---	10.0	---			Reset

Log

Time	Message
17.02.2015 17:56:58	Alarm 2 at Gateway 1, GMA Tradeshow, Transmitter Prüfst.22 O2

GMA200 Visualization – Overall view

GMA200Visual (V 1.0.3)

File Options Info

www.GfG.biz
17.02.2015 17:59:14
online

Navigation

- Overall view
 - Gateway 1
 - Tradeshow (Bus-Addr.1)
 - GWZ 1.2 (Bus-Addr.2)
 - GWZ 1.1 (Bus-Addr.3)
 - Gateway 2
 - GMA Nr.1 (Bus-Addr.1)

Overall view

Gateway 1: Tradeshow (Bus-Addr.1)

MSP	Description	Measuring val.	Unit	Gas	Details	Advice
2	SH1311474 CCO2	0.5	%L	CH4		
3	SH1203268 CCH8	5.5	%L	CH4		
4	Prüfz22 CCO2	0.10	Vol%	CO2		
5	Prüfz22 O2	---	Vol%	O2	SRV 20M UR SRQ	
6	Prüfz22 Schmelz	0	%	---		
7	Prüfz22 CO	---	ppm	CO	SRV 20M	
8	Prüfz22 O2	20.7	Vol%	O2		
9	Prüfz22 O2	20.7	Vol%	O2		
10	Prüfz22 Propan	-0.2	%L	CH8		
11	Prüfz22 O2	---	Vol%	O2	SRV 20M	
12	Prüfz22 H2S	---	ppm	H2S	SRV 20M	
13	Prüfz22 O2	20.9	Vol%	O2		
14	Prüfz22 O2	15.7	Vol%	O2	AL1 (Alarm 1), AL2 (Alarm 2)	
15	Prüfz22 O2	20.9	Vol%	O2		
16	Prüfz22 O2	20.9	Vol%	O2		

Gateway 1: GWZ 1.2 (Bus-Addr.2)

MSP	Description	Measuring val.	Unit	Gas	Details	Advice
1	MPST1 CH4 Q001	0.0	%L	CH4		
2	MPST1 HC Q000	0.0	%L	CH00		
3	MPST1 CH8 Q003	0.0	%L	CH8		
4	MPST1 CO Q004	0	ppm	CO		
5	MPST1 Leak Q001	4.0	mA	Sp		
6	MPST1 CH4 Q001	0.0	%L	CH4		
7	MPST1 HC Q002	0.0	%L	CH02		
8	MPST1 CH8 Q003	0.0	%L	CH8		
9	MPST1 CO Q004	0	ppm	CO		
10	MPST1 Leak Q001	4.0	mA	Sp		
11	MPST1 CH4 Q001	0.0	%L	CH4		
12	MPST1 HC Q000	0.0	%L	CH00		
13	MPST1 CH8 Q003	0.0	%L	CH8		
14	MPST1 CO Q004	0	ppm	CO		
15	MPST1 Leak Q001	4.0	mA	Sp		

Gateway 1: GWZ 1.1 (Bus-Addr.3)

MSP	Description	Measuring val.	Unit	Gas	Details	Advice
1	MPST4 CH4 Q001	0.0	%L	CH4		
2	MPST4 HC Q001	0.0	%L	CH01		
3	MPST4 CH8 Q003	0.0	%L	CH8		
4	MPST4 CO Q004	0	ppm	CO		
5	MPST4 Leak Q001	4.0	mA	Sp		
6	Tagerank Q001	0.0	%L	CH00		

Gateway 2: GMA Nr.1 (Bus-Addr.1)

MSP	Description	Measuring val.	Unit	Gas	Details	Advice
1	CC24 CH4	111	%L	CH4	FLT UR SRQ	
2	BC24 CO	111	ppm	CO	FLT UR SRQ	
3		111	---	---	FLT UR SRQ	
4		111	---	---	FLT UR SRQ	
5		111	---	---	FLT UR SRQ	

Log

Time	Message
17.02.2015 17:56:58	Alarm 2 at Gateway 1, GMA Tradeshow, Transmitter Prüfz22 O2

Configuration



GMA200 Visualization – Software Demo-Time

The screenshot displays the GMA200 Visual software interface (V 1.0.3) during a demo. The interface includes a navigation pane on the left, a main data area with four tables, and a log at the bottom.

Navigation:

- Overall view
 - Gateway 1
 - Tradeshow (Bus-Addr.1)
 - GWZ 1.2 (Bus-Addr.2)
 - GWZ 1.1 (Bus-Addr.3)
 - Gateway 2
 - GMA Nr.1 (Bus-Addr.1)

Overall view - Gateway 1: Tradeshow (Bus-Addr.1)

MSP	Description	Measuring val.	Unit	Gas	Details	Advice
2	SH1311474 CO2	0.5	%LEL	CH4		
3	SH1206298 CO2	5.5	%LEL	CH4		
4	PuFu22 CO2	0.10	Vol%	CO2		
5	PuFu22 O2	---	Vol%	O2	SRV, ZH4, UR, SRQ	
6	PuFu22 Schalter	0	%	---		
7	PuFu22 CO	---	ppm	CO	SRV, ZH4	
8	PuFu22 O2	20.7	Vol%	O2		
9	PuFu22 O2	20.7	Vol%	O2		
10	PuFu22 Propan	-0.2	%LEL	CH4		
11	PuFu22 O2	---	Vol%	O2	SRV, ZH4	
12	PuFu22 H2S	---	ppm	H2S	SRV, ZH4	
13	PuFu22 O2	20.9	Vol%	O2		
14	PuFu22 O2	15.7	Vol%	O2	ALL Alarm II, AL2 (Alarm 2)	
15	PuFu22 O2	20.9	Vol%	O2		
16	PuFu22 O2	20.9	Vol%	O2		

Overall view - Gateway 1: GWZ 1.2 (Bus-Addr.2)

MSP	Description	Measuring val.	Unit	Gas	Details	Advice
1	MPST1 CH4 Q001	0.0	%LEL	CH4		
2	MPST1 HC - Q001	0.0	%LEL	CH4		
3	MPST1 CH4 Q003	0.0	%LEL	CH4		
4	MPST1 CO Q004	0	ppm	CO		
5	MPST1 Leak Q001	4.0	mA	Sp		
6	MPST1 CH4 Q001	0.0	%LEL	CH4		
7	MPST1 HC - Q002	0.0	%LEL	CH4		
8	MPST1 CH4 Q003	0.0	%LEL	CH4		
9	MPST1 CO Q004	0	ppm	CO		
10	MPST1 Leak Q001	4.0	mA	Sp		
11	MPST1 CH4 Q001	0.0	%LEL	CH4		
12	MPST1 HC - Q002	0.0	%LEL	CH4		
13	MPST1 CH4 Q003	0.0	%LEL	CH4		
14	MPST1 CO Q004	0	ppm	CO		
15	MPST1 Leak Q001	4.0	mA	Sp		

Overall view - Gateway 1: GWZ 1.1 (Bus-Addr.3)

MSP	Description	Measuring val.	Unit	Gas	Details	Advice
1	MPST4 CH4 Q001	0.0	%LEL	CH4		
2	MPST4 HC Q001	0.0	%LEL	CH4		
3	MPST4 CH4 Q002	0.0	%LEL	CH4		
4	MPST4 CO Q004	0	ppm	CO		
5	MPST4 Leak Q001	4.0	mA	Sp		
6	Tagetank Q001	0.0	%LEL	CH4		

Overall view - Gateway 2: GMA Nr.1 (Bus-Addr.1)

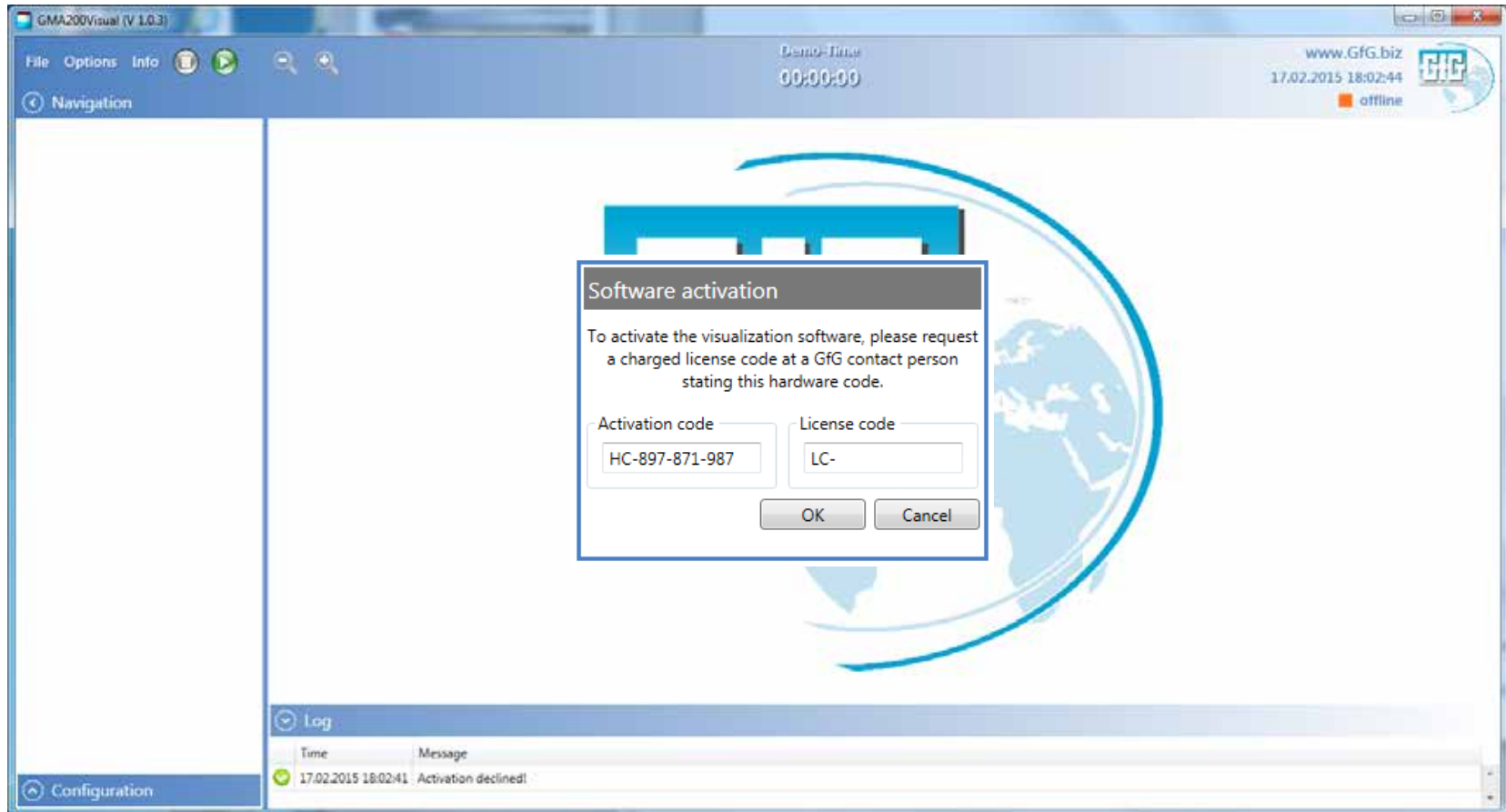
MSP	Description	Measuring val.	Unit	Gas	Details	Advice
1	CC24 CH4	111	%LEL	CH4	FLT, UR, SRQ	
2	BC24 CO	111	ppm	CO	FLT, UR, SRQ	
3		111	---	---	FLT, UR, SRQ	
4		111	---	---	FLT, UR, SRQ	
5		111	---	---	FLT, UR, SRQ	

Log

Time	Message
17.02.2015 18:01:11	GWZ 1.1 connected.

Configuration

GMA200 Visualization – Software activation





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Thank you for your attention!

