

WEB SERVER ONLINE VISUALIZATION AIRLEADER MASTER II

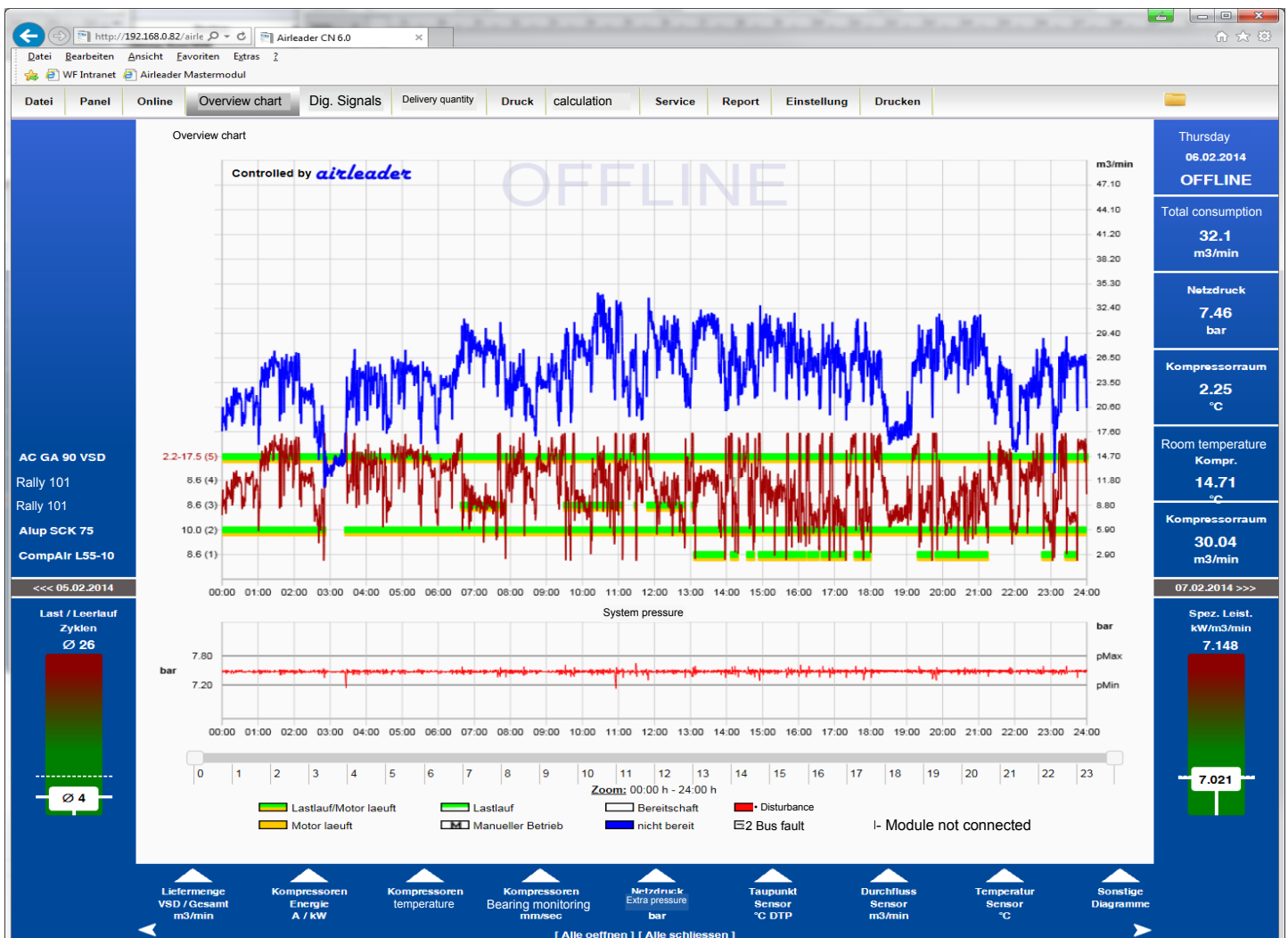


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IP address, network and factory settings

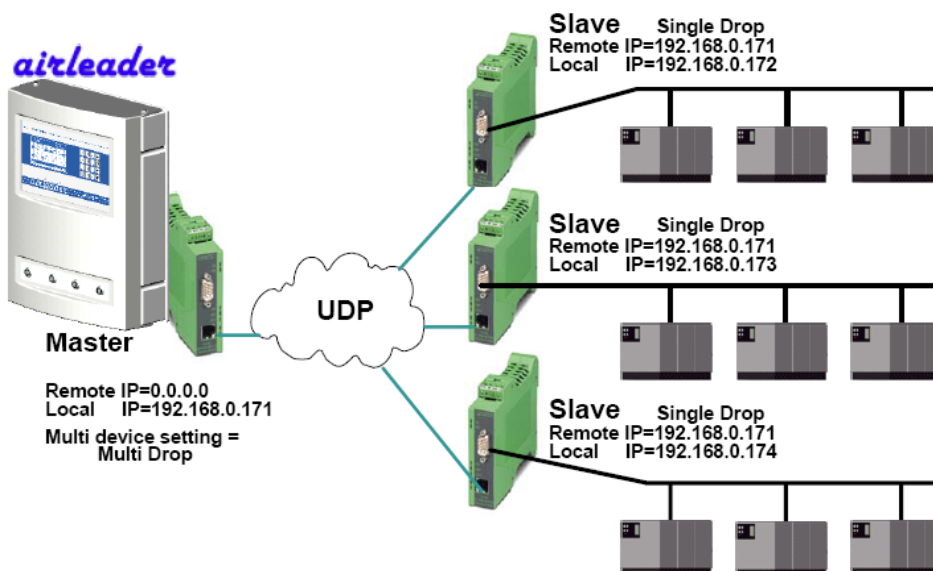
IP address settings: Touch: > Program > Network > Enter IP address > Enter Subnet Mask > Enter standard gateway If compressor modules are connected via COM servers, the COM servers each receive a separate IP address. The communication speed needs to be adjusted Touch > Program > Factory data

Programming Airleader Master II factory data

ATTENTION: Before putting the web server into operation, check the date on the AIRLEADER control and set it to the current time. Step 1 Activate the programming bridge Touch > Program > Factory data > Enter -IP address, subnet mask

Enter the code:

000000



Communication via Ethernet between AIRLEADER and the connection modules via Ethernet. The connection between AIRLEADER and the connection modules for the compressors and other components can be made via Ethernet using the COM server. The AIRLEADER RS-485 interface is connected to a COM server. The COM server receives an IP address that fits into the IP address range. Additional COM servers can be connected to the Ethernet with their own IP address. Program waiting time for slave response ENTER CODE Enter "111111" confirm with key "E" Program waiting time "200 ms" Can also be changed from 150-250 ms if necessary

INSTALLING WEB SERVERS

Requirements:

Server: Intel Pentium from 2.2 Ghz at least 512 MB RAM. **Operating system** Windows 2000, 2003, NT, XP, Linux with X-Server Library Client: **Microsoft Internet Explorer** from 5.5 **Installation:** Run the setup program and follow the instructions. At the end of the installation, determine whether the WebServer service should be installed and started immediately. We recommend installing and starting the service immediately. Once the service is started, the web server is automatically activated when Windows starts and records the AIRLEADER data in the background. After successful installation and start of the service, Internet Explorer opens as a window with the configuration instructions for the online visualization. Previous versions of the Airleader online visualization must be uninstalled. To do this, deactivate the installed service via the start group ("Remove service") and remove the Airleader Online Visualization software in the control panel / software. **Attention:** When starting for the first time, an error message may be displayed in Internet Explorer. This is usually because setting up and starting the service takes longer than the request for the Airleader online visualization homepage. In this case, wait a few seconds and click the Refresh button in Internet Explorer. **Step 1:** After the first start you will be guided through the initial configuration of your station. First, determine a name for your station, which will also be the addition of the web address through which you can later reach the station. The name may not contain any spaces or special characters or umlauts.

a Airleader configuration assistant - Microsoft Internet Explorer

File Edit View Favorites Extras ?

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address http://localhost/administrator/wizard1.jsp

airleader Professional
Kompressoren - Management

Welcome to the configuration of the Airleader online visualization.

Step 1: Naming the station

Please enter the name of your station now:

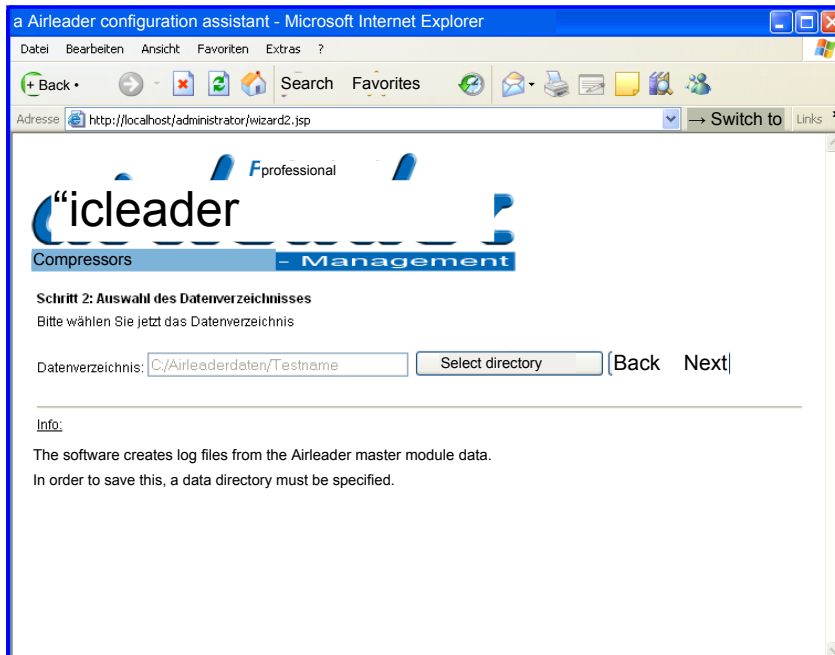
Station name: Next

Info:

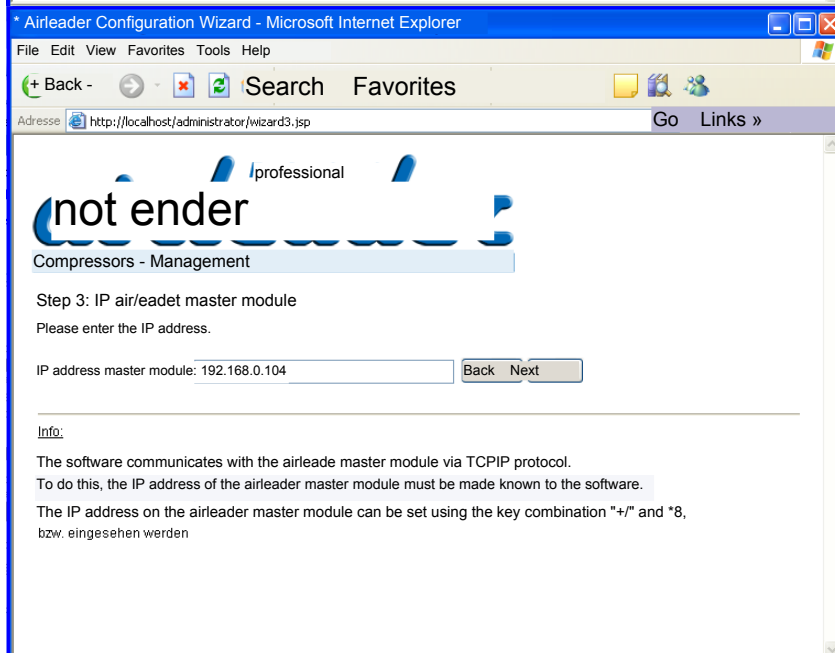
In the first step, enter a name for your airleader station.
Please note that this name will later also be the addition in the web address via which you then reach the station.
The name may not contain any spaces or special characters or umlauts.

el Done Local intranet

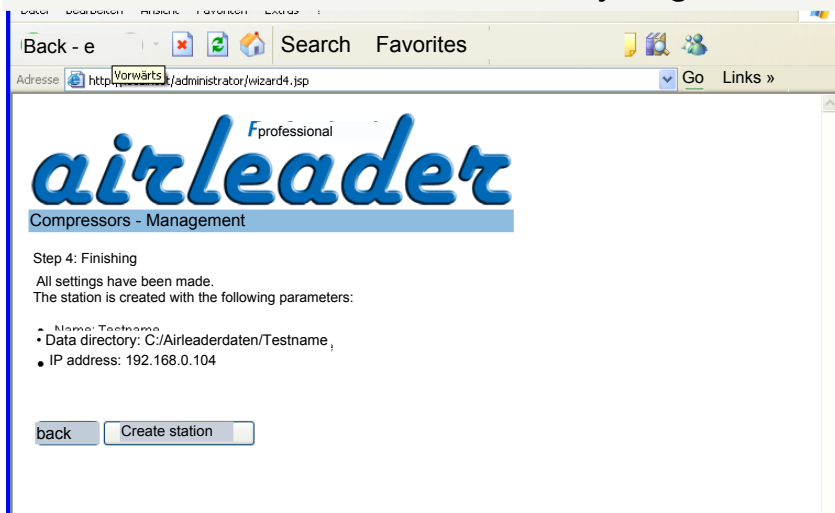
SET DATA DIRECTORY



Step 2: - Set data directory. - Using the “Select directory” button - select an existing directory. Step 3: - Program the IP address on the Airleader. - (key combination “+/-” and “8”) see page 2 - Enter the IP address of the AIRLEADER master module - Click on “Create station”
The station will now be created. This process may take a few minutes. Your station will then be available. After the basic configuration



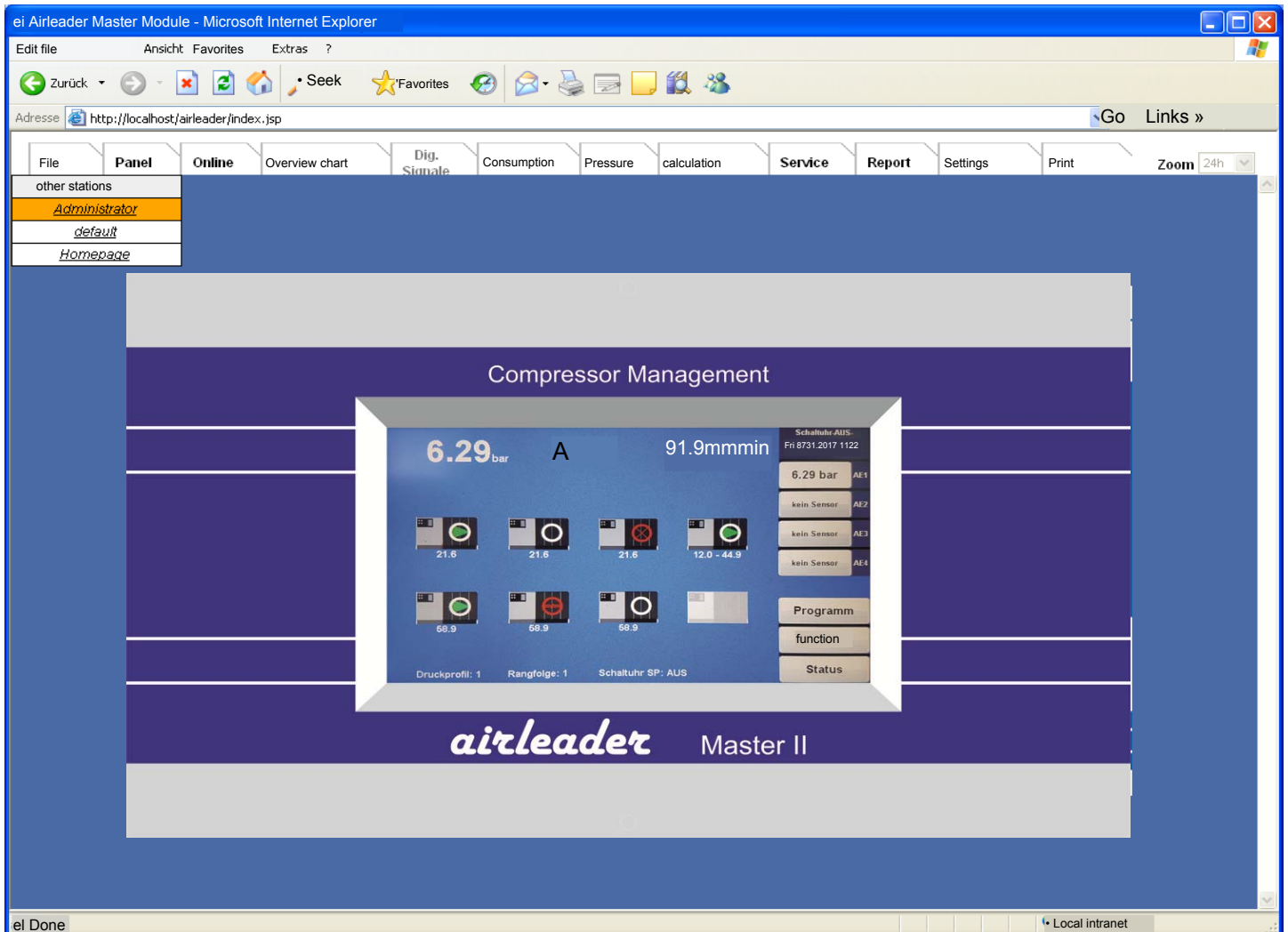
Atater confusion Asten. Merol only Ergoe 0010



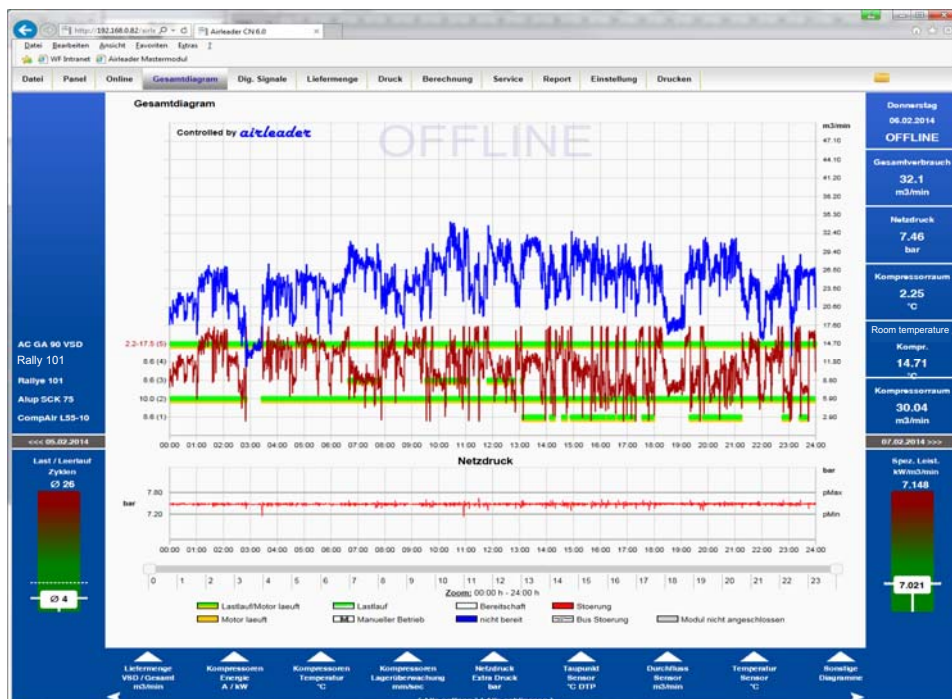
After basic configuration, the visualisation downloads the previously recorded daily LOG files in the background. When this is complete, the Online tab becomes available.

If the Airleader was already operating before the software was installed, load the configuration manually from the master module via Settings > Remote control. This synchronises the software with the controller.

USER INTERFACE

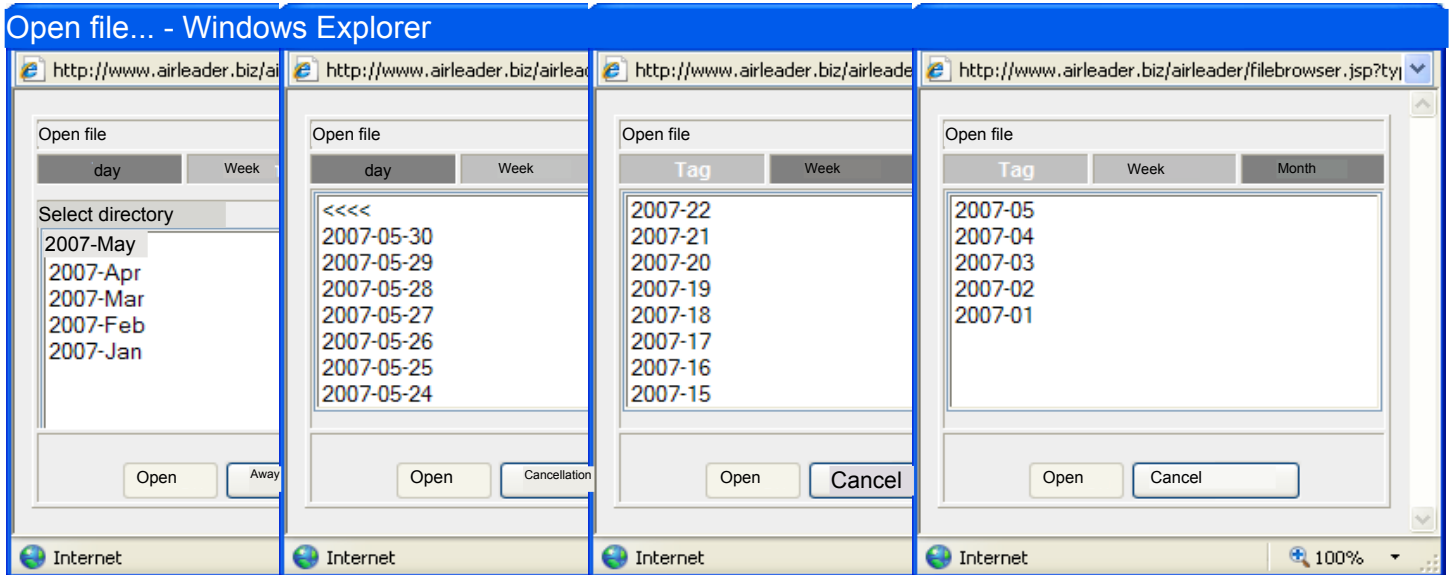


The AIRLEADER web server visualization has a tab system for the core functions. The currently possible options are active (can be selected in black), the inactive ones are gray and cannot be selected. The current status of AIRLEADER is displayed down to the second. Fault messages are output directly here.

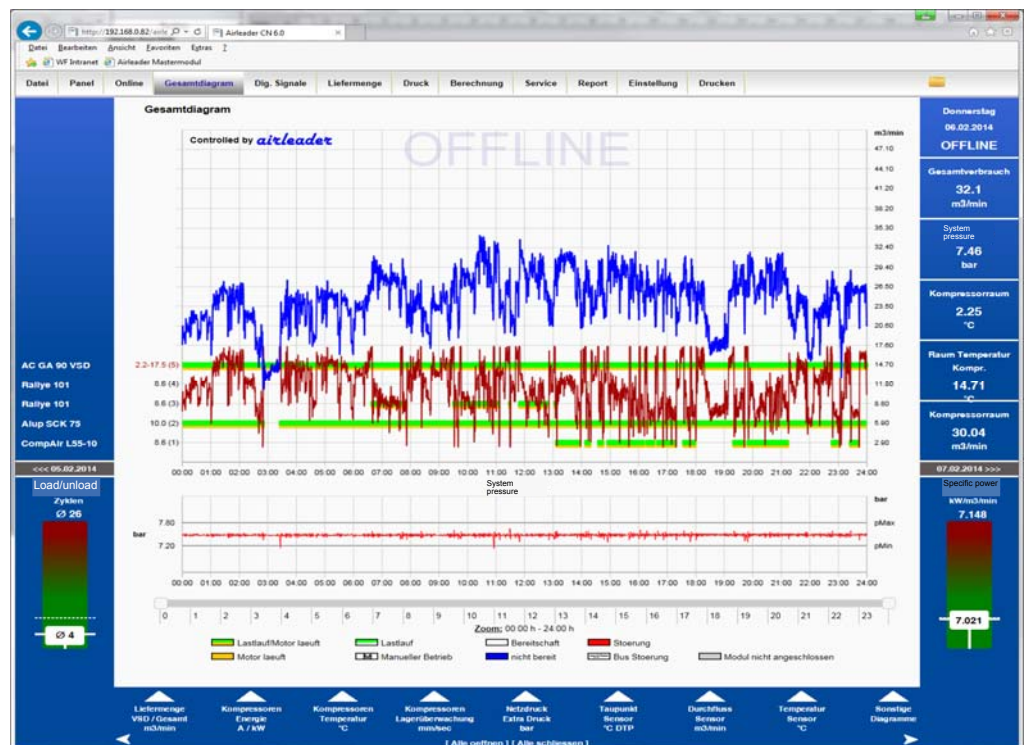


OFFLINE EVALUATIONS

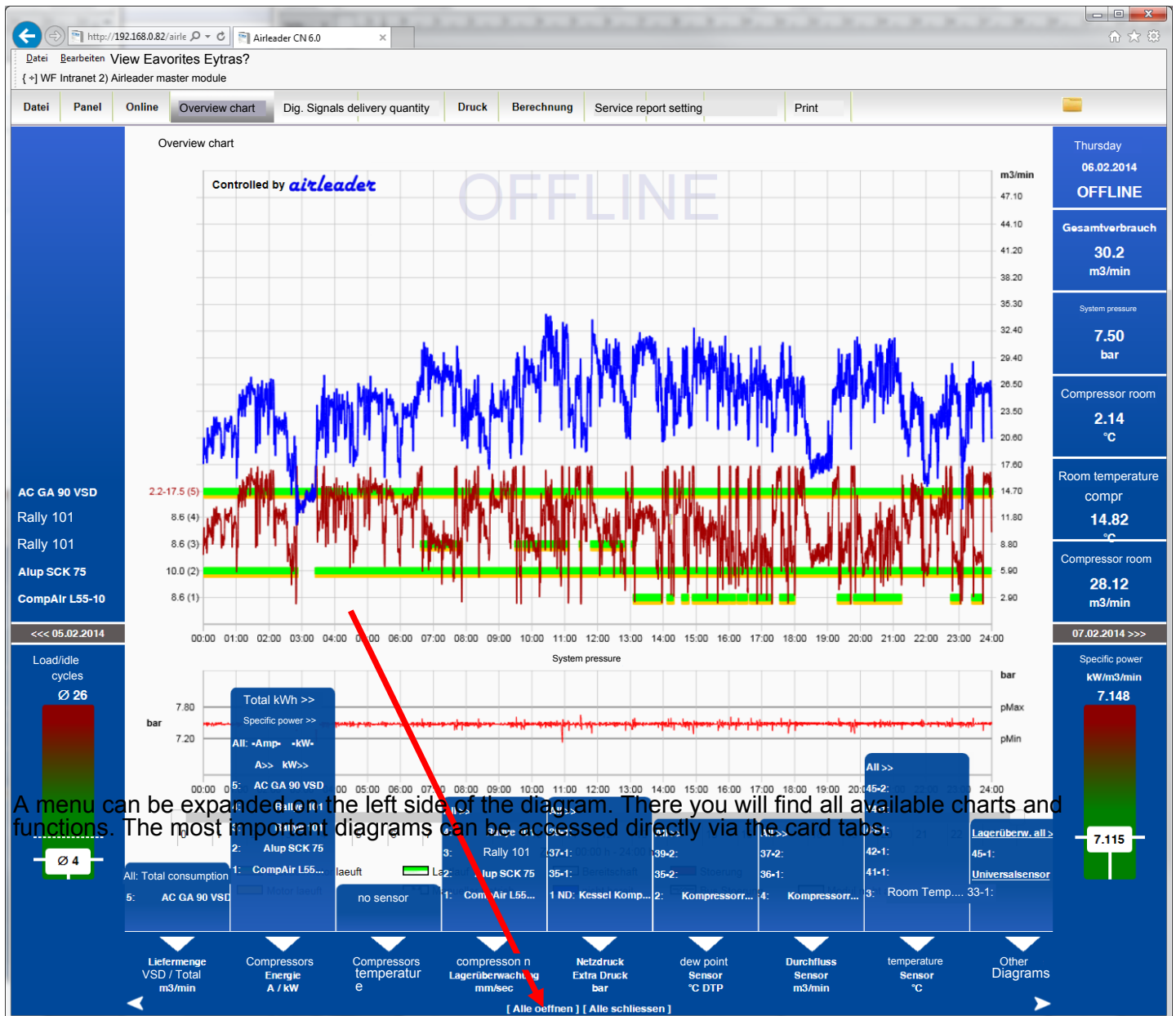
Click on "FILE": You will receive an overview of the saved data from the past few months. Select month: Individual days of this month are available for selection. Click on week: The weekly reports are summarized with consumption diagram and calculation/evaluation. Click on month: The monthly reports are summarized with consumption diagram and calculation/evaluation. Close: This will close the selected file or online monitoring. If you select several LOG files, opening the diagrams may take a few seconds because the data is transported over the network.



Displays the compressor states, system pressure and compressed air consumption over the selected period



SELECTION OF VARIOUS DIAGRAMS



Click on "Open all" All additionally installed sensors are displayed in the form of opened sliders. The currently measured value of the sensors is displayed. Clicking on "All" for the individual sensors switches the display to the diagrams of the selected sensors. Each diagram of the individual sensors can be accessed by clicking on the displayed value.

BASIC SETTINGS

** Airleader Master Module 3.006 4-5 -G - Page = Safety

File Panel Online Overview chart Dig. Signals Consumption Pressure calculation Service Report Settings **Drucken**

Compressor modules Master analog inputs Analog modules Digital signals General Control Remote control User Logout

Compressors 1-4 Compressors 5 - 8 Compressors 9 - 12 Compressors 13 - 16

Channel application

1 compressor
Device name: Module 1

m3/min 16,1 load kW 92,00 idle kW 25,00 Motor kW 90,00
Motor voltage M Load running Cos phi Idling Cos phi Alarm time seconds
400,00 0,90 0,60 30 ?

4mA AE1 0,00 A 20mA 400 A Current measurement
4mA AE2 0 °C 20mA 150 °C Calculate settings
Alarm Min Alarm Max
AE2 0 °C 95 °C Temperature measurement V

Alarm ☐ Fault report ☐ Service notification ☐ Fax 1 ☐ Fax 2 ☐ SMS 1 ☐ SMS 2 ☐ EMail 1 ☐ EMail 2

Compressor data management The compressor output m3/min is automatically taken over by the control. Even if there is a change. The compressor type can be entered manually in the web server. Compressor performance data: load kW, - idle kW, must be entered manually for energy calculation

Initialize measured values module 1

This function looks at the amps/energy measurement across the past 8 days, and determines the average load and idle values.

After the determination, these values can then be used as guideline values configuration must be entered.

For ampere measurements, the limit values for the COS-PHI values are determined and entered.

You can have the values calculated. After calculation you have the option to accept or reject these values.

Start calculation Cancel

Load and idle values are automatically calculated by clicking on the "Calculate setting values" button

If a current measurement (A) is connected, - Motor kW, - Motor voltage, - Load running Cos phi, - Idle running Cos phi must also be entered for the energy calculation. The delay time for alarm messages is set manually. If a kW measurement is connected, the values are calculated automatically. The delay time for alarm messages is set manually.

Cos phi limits for C 1

No-load at current value 75,00 [A]

Alarm • Off O On

Load run alarm value ? 80 [A] 30 seconds

Idle alarm value ? 20 [A] 30 seconds

Standby alarm value ? 10 [A] 30 seconds

Save Close

Alarm limit for power measurement C1

Alarm O Off © On

Load run alarm value ? 70 [kW] 30 seconds

Idle alarm value ? 30 [kW] 30 seconds

Standby alarm value ? 5 [kW] 30 seconds

Save Close

The program code can also be requested via email or telephone. Email: info@airleader.de Telephone: 07044 911100 motor running monitoring From version 3.003, motor running can be monitored according to load requirements for compressors. You specify a maximum period of time in seconds that may pass until a motor running signal must be reported back after the control has requested a load. If this does not happen within this time window, a malfunction will be triggered. If a value of 0 is entered here, the function is deactivated.

File	Panel	Online	Overview chart	Dig. Signals	Consumption	Pressure	calculation	Service	Report	Settings	Print	Zoom 24h
Compressor modules Master analog inputs Analog modules Digital signals General Control Remote control User Logout												
Compressors 1-4				Compressor 5 - 8				Compressor 9 - 12				Compressors 13-16
channel Application												
1		geregelter Kompress		min m3/min	AE1 min mA	min load (kW)	min idle (kW)	Control range max		Current measurement		
Device name:		3.00	4.00	0.25	3.92	15.00	Control buffer		IMin		IMax	
GA1		max m3/min	AE1 max mA	max load (kW)	max idle (kW)	Control buffer		0.00		100.00		Calculate settings
Motor Spannung [V]		15.00	20.00	69.28	3.93	Control buffer		0.00		0.00		
400.00		Motor kW	Lastlauf Cos phi	Alarmzeit Sekunden	5	Volumenstrom min		0.00				
		0.00	1.00	5	?							
Analog output:		min current value		max Stromwert		min pressure value		max Druckwert		Average output		
		4.00 mA		20.00 mA		0.00 bar		16.00 bar		Offset: 0.00 bar		
Alarm		•Fault notification		•Service notification		☐ Fax 1 ☐ Fax 2 ☐ SMS 1 ☐ SMS 2 ☐ EMail 1 ☐ EMail 2						
2		compressor		m3/min	load kw	idle w	Motor kW	4mA		20mA		
Motor voltage V		10.00	0.69	0.05	0.05	4mA		AE1 0.00 A		100.00 A		kein Sensor
400.00		Load Cos phi	Idling Cos p	Alarmzeit Sekunden	0	20mA		AE2 0.00 °C		0.00 °C		no sensor
		0.90	0.60	0	?	Alarm Min		Alarm Max		0.00 °C		
Analog output:		min current value		max current value		min pressure value		max Druckwert		Average output		
		4.00 mA		20.00 mA		0.00 bar		16.00 bar		Offset: 0.00 bar		
Alarm		☐ Störmeldung ☐ Servicemeldung		☐ Fax 1 ☐ Fax 2 ☐ SMS 1 ☐ SMS 2 ☐ EMail 1 ☐ EMail 2								

Belt breakage monitoring From version 3.003 onwards, the running behavior can be monitored for compressors that also have an amperage or energy measurement.

File	Panel	Online	Overview chart	Dig. Signals	Verbrauch	Druck	calculation	Service	Report	Settings	Print	Zoom 24h
Compressor modules Master analog inputs Analog modules Digital signals General Control Remote control User Logout												
Compressor 1 - 4				Compressor 5 - 8				Compressor 9 - 12				Compressors 13-16
Channel application												
1		geregelter Kompress		min m3/min	AE1 min mA	min load (kW)	min idle (kW)	Control range max		Current measurement		
Gerätemame:		3.00	4.00	0.25	3.92	15.00	Control buffer		IMin		IMax	
GA1		max m3/min	AE1 max mA	max load (kW)	max idle (kW)	Control buffer		0.00		100.00		Calculate settings
Motor Spannung [V]		15.00	20.00	69.28	3.93	Control buffer		0.00		0.00		
400.00		Motor kW	Lastlauf Cos phi	Alarmzeit Sekunden	5	Volumenstrom min		0.00				
		0.00	1.00	5	?							
Analogausgang:		min current value		max current value		min pressure value		max pressure value		Average output		
		4.00 mA		20.00 mA		0.00 bar		16.00 bar		Offset: 0.00 bar		
Alarm		•Fault message service message		☐ Fax 1 ☐ Fax 2 ☐ SMS 1 ☐ SMS 2 ☐ EMail 1 ☐ EMail 2								

The program code can also be requested via email or telephone. Email: info@airleader.de Telephone: 07044 911100 motor running monitoring From version 3.003, motor running can be monitored according to load requirements for compressors. You specify a maximum period of time in seconds that may pass until a motor running signal must be reported back after the control has requested a load. If this does not happen within this time window, a malfunction will be triggered. If a value of 0 is entered here, the function is deactivated.

The screenshot shows the 'Settings' tab for 'Compressors 1-4'. The 'Alarm' section is expanded, showing various parameters for 'geregelter Kompress' (Device name: GA1). The 'Alarmzeit Sekunden' field is highlighted with a red circle and a red question mark. The 'Alarm' section includes checkboxes for 'Fault notification', 'Service notification', 'Fax 1', 'Fax 2', 'SMS 1', 'SMS 2', 'Email 1', and 'Email 2'. The 'Analog output' section shows 'min current value' and 'max current value' fields, both set to 4.00 mA. The 'Average output' section shows 'Offset: 0.00 bar'.

Belt breakage monitoring From version 3.003 onwards, the running behavior can be monitored for compressors that also have an amperage or energy measurement.

The screenshot shows the 'Settings' tab for 'Compressor 1-4'. The 'Channel application' section is expanded, showing various parameters for 'geregelter Kompress' (Device name: GA1). The 'Current measurement' dropdown menu is highlighted with a red circle. The 'Alarm' section includes checkboxes for 'Fault message service message', 'Fax 1', 'Fax 2', 'SMS 1', 'SMS 2', 'Email 1', and 'Email 2'. The 'Analogausgang' section shows 'min current value' and 'max current value' fields, both set to 4.00 mA. The 'Average output' section shows 'Offset: 0.00 bar'.

- Current limit selection
graphically

The selection of the COS phi limits for ampere measurement can now be done graphically. The limit values for load/idle and standstill are also set at this point when the control is working in measurement mode.

C measurement parameters VSD 2 - Windows Internet Explorer -0X

http://192.168.0.7:8080/al2/admin/setAmperes.jsp?channel=A&modul=

Cos phi limits for VSD 2		
No-load at current value	100.60 [A]	
Alarm	☒ Aus • A	
Load run alarm value ?	0.00 [A]	30 seconds
Idle alarm value ?	0.00 [A]	30 seconds
Standby alarm value ?	0.00 [A]	30 seconds
Save Close Load / idle def		

Internet 100%



Analogue inputs on the control unit

E Airleader Master Module 3.003 - Windows Internet Explorer

http://192.168.0.35/airleader/index.jsp

File Edit View Favorites Tools Help

* Favorites

Airleader Master Module 3.003

Datei Panel Online Gesamtdiagram Dig. Signals Verbrauch Druck Calculation service Report **Einstellung** Drucken

Kompressor Module **Master Analogeingänge** Analogmodule Digitale Signale Allgemein Steuerung Fernbedienung Benutzer Logout

Anwendung

AE1 system pressure P [4mA] P [20mA] Pmin Pmax [..]

Geraetenname: Visible pressure profile

Alarm ☐ min Grenzwert ☐ max Grenzwert ☐ Fax 1 ☐ Fax 2 ☐ SMS 1 ☐ SMS 2 ☐ Email 1 ☐ Email 2

AE2 flow Fmin Fmax Amin Amax [..]

Device name: min limit max limitFax1 ☐ Fax 2 ☐ SMS 1 ☐ SMS 2 ☐ Email 1 ☐ Email 2

AE3 no sensor Geraetenname: Alarm ☐ min Grenzwert ☐ max Grenzwert ☐ Fax 1 ☐ Fax 2 ☐ SMS 1 ☐ SMS 2 ☐ Email 1 ☐ Email 2

AE4 flow Fmin Fmax Amin Amax [..]

Device name: min limit max limitFax1 ☐ Fax 2 ☐ SMS 1 ☐ SMS 2 ☐ Email 1 ☐ Email 2

Alarm ☐ min Grenzwert ☐ max Grenzwert ☐ Fax 1 ☐ Fax 2 ☐ SMS 1 ☐ SMS 2 ☐ Email 1 ☐ Email 2

Save

Enter device name manually

Visible pressure profile

pMin	6.00	[bar]
pMax	6.50	[bar]

Save Close

This function zooms the pressure profile

Analog inputs on the master with 4-20mA signal: - AE1 - control pressure - AE2 + AE3 + AE4 can be assigned the following sensors: - Pressure dew point - Extra pressure - Temperature - Flow - Current measurement - Energy measurement The front display

clearly displays the measured values of the connected sensors.

Devices connected to connection module 17-24

* Airleader Master Module 3.003 -- -- - Page ~ Security

File	Panel	Online	Overview chart	Dig. Signals	Consumption	Pressure	calculation	Service	Report	Settings	Print
Compressor modules			Master analog inputs		Analog modules	Digital signals	General	Control	Remote control	User	Logout

Module 17 - 20

Module 21 - 24

Application

Module 17

AE 1 no sensor ▼

Alarm no sensor
dew point

Room temperature

AE 2 flow

Alarm Extra Pressure

Current measurement

Energy measurement

Device name: °C Station1

☐ min limit ☐ max limit value fax 1 ☐ Fax 2 ☐ SMS 1 ☐ SMS 2 ☐ EMail 1 ☐ EMail 2

Device name: °C Station 2

☐ min limit ☐ max limit value fax 1 ☐ Fax 2 ☐ SMS 1 ☐ SMS 2 ☐ EMail 1 ☐ EMail 2

Module 18

AE 1 no sensor ▼

Alarm

AE 2 no sensor ▼

Alarm

Device name:

☐ min limit ☐ max limit ☐ Fax 1 ☐ Fax 2 ☐ SMS 1 ☐ SMS 2 ☐ EMail 1 ☐ EMail 2

Device name:

☐ min limit ☐ max limit value Fax1 Fax2 SMS 1 ☐ SMS 2 ☐ EMail 1 ☐ EMail 2

The connection module (17-24) has the following input and output. Outputs: - 2 analog inputs 4-20 mA - 3 digital inputs - 2 digital outputs - 1 analog output 4-20 mA The analog inputs are for external analog sensors and can be freely assigned as on the AIRLEADER Master.

To all analog inputs: various analog sensors can be connected as desired. Each measuring point can be freely named. Alarm limits can be freely set within the sensor values and activated if necessary.

Alarm and service management (Web Server Plus option) sends fault and service messages such as: - E-mail - SMS - Fax Alarm limit values can be freely defined

* Airleader Master Module 3.003 4-&- -- - Page - Security

File	Panel	Online	Overview chart	Dig. Signals	Consumption	Pressure	calculation	Service	Report	Settings	Print
Compressor modules			Master analog inputs		Analog modules	Digital signals	General	Control	Remote control	User	Logout

Module 17

01S dryer 1

02 M dryer 2

03 B Bekomat

Malfuction O Operation O inactive ☐ Fax 1 ☐ Fax 2 ☐ SMS 1 ☐ SMS 2 ☐ EMail 1 ☐ EMail 2

• Fault operation O inactive ☐ Fax 1 ☐ Fax 2 ☐ SMS 1 ☐ SMS 2 ☐ EMail 1 ☐ EMail 2

Malfuction O Operation O inactive ☐ Fax 1 ☐ Fax 2 ☐ SMS 1 ☐ SMS 2 ☐ EMail 1 ☐ EMail 2

Module 18

04S booster compr.

05 M condensate

06 B

O Operation fault O inactive ☐ Fax 1 ☐ Fax 2 ☐ SMS 1 ☐ SMS 2 ☐ EMail 1 ☐ EMail 2

• Malfuction (operation O inactive ☐ Fax 1 ☐ Fax 2 ☐ SMS 1 ☐ SMS 2 ☐ EMail 1 ☐ EMail 2

O Malfuction O Operation inactive ☐ Fax 1 ☐ Fax 2 ☐ SMS 1 ☐ SMS 2 ☐ EMail 1 ☐ EMail 2

Digital inputs: Are for fault or operating messages from dryers, filters, condensate drains, etc. Each input can be freely named. Alarm messages: can be assigned and configured individually for each input. The digital outputs synchronously provide an output for external fault messages for each analog input.

GENERAL - SETTINGS

Airleader Master Module 3.002

Datei Panel Online Gesamttdiagram Dig. Signals consumption Druck calculation Service Report **Einstellung** Drucken

Compressor modules Master analog inputs Analog modules Digital signals **General** Control Remote control Benutzer Logo

Units

Unit pressure Unit Leistung Unit Strom Unit Energie Unit temperature

currency Price / kWh

Ethernet and language

IP address
 Subnet mask
 Default gateway
 MAC address
 Language

Anwahl

	Selection 1	Anwahl 2	Anwahl 3	Alarm delay times for:
Fax 1				Compressor malfunction 30 Sekunden
Fax 2				Analog inputs 30 Sekunden
SMS 1				Compressor module 30 Sekunden
SMS 2				Analog inputs master module 30 Sekunden
Email 1				Analog inputs 30 Sekunden
Email 2				Accessory module 30 Sekunden
				Digitaleingänge 30 seconds
customer	Siemens			
Return message	Siemes@airleader.de			

Save [Setting aid regulated Kompressoren] [Communication Control]

OPTION: Only available with Web Server Plus

Unit settings:

- Pressure = bar
- Flow rate = m³/min
- Current = A
- Power = kW
- Temperature = °C
- Currency = EUR
- Price/kWh = 0.11
- Language = German (example)

Communication settings

For service and alarm messages are only active with the option: Web server plus feedback

If an email address is entered in this field, the data from the previous day will be sent. (SMTP server setting)

Airleader CN - Microsoft Internet Explorer

Datei Bearbeiten Ansicht Favoriten Extras ?

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Adresse Go Links »

File Panel Online Overall diagram Dig. Signals Consumption Pressure calculation Service Report **Einstellung** Drucken Zoom 24h

Compressor modules Master analog inputs Analog modules Digital signals **Allgemein** Steuerung Fernbedienung

Control parameters

delay time Minute Sekunde
 Anlauf
 Unten
 Above

Sicherheitszone bar

Below
 Above

Druckprofil

Pressure switching points	pMin	pMax	pAlarm
DP 1	3.50	4.50	3.00
DP 2	3.90	4.80	3.30
DP 3	4.10	5.10	3.60
DP 4	4.40	5.40	3.90

Rangfolgen

compressor

Ranking	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Kompressoren-Wechselzeiten

Kompressoren mit	m3/min	Stunde	Minute
mit	5,00	04	00

Timer

SP weekday Time (hrs/min) An/Aus DP RF R1 R2
 1 Mo Di Mi Do Fr Sa So Aus ~ On O On © OFF OFF

el Done Local intranet

“Control” setting

The following data is displayed in this menu: - Delay times - Safety zone - Pressure profiles - Rankings - Compr. Changing times - Time switch settings Remote programming

for the setting values mentioned are only active with the option: Web Server Plus

Setting login and remote control

Airleader Master Module 3.002 - 5 - Sete - Sure

File panel Online Overall diagram Dig. Signals Consumption Pressure calculation Service Report Settings Print

Compressor modules Master analog inputs Analog modules Digital signals General Control Remote control Benutzer Login

Username: airleader
Password:
Login

airleader

To get started with internal settings and remote control of the web server, you must log in. Via "Settings" - "Login" with the default password "airleader" for username and password

Airleader Master Modul 3.002 - Page -

File Panel Online Gesamtdiagram Dig. Signals consumption pressure calculation Service Report Settings Drucken

Compressor modules Master analog inputs Analog modules Digital signals General Control Remote control User Logout

User	role		
guest	Administrator		
wf	Super administrator		

Create/change users

User name:

password:

Password (repeat):

Role: Administrator Administrator Super administrator

Create different passwords for administrator and super administrator.
Attention: The super administrator can also make network settings

Airleader Master Module 3.002

Datel Panel Online overall diagram Dig. Signals consumption Druck Berechnung Service Report Settings Drucken

Compressor module master analog inputs analog modules digital signals general control Fernbedienung User logout

Manage SD card

Format SD card

Daten Archiv

Monats - / Wochenberichte aktualisieren

Generate missing weekly and monthly reports

Konfiguration von Steuerung laden

Send configuration to control

Server settings

Configuration table

Install Java-Plugin

diagnosis

In the remote control menu

you can carry out the following actions -
 Manage SD card -
 Format SD card -
 Update reports -
 Generate reports - Load configuration - Send configuration - Server settings - Configuration table - Install Java plugin - Carry out diagnostics

Server setting

** Airleader Master Module 3.003

.. 5 - Site - Security - Extras -

File Panel Online Overview chart Dig. Signals Consumption Pressure calculation Service Report Settings Print

Compressor modules Master analog inputs Analog modules Digital signals general Control Remote control User Logout

Parameter	Value
Station	E:/online/daten/glaeser
Data directory	E:/online/daten/glaeser Select directory
Control IP	
Delete historical configurations Delete temporary files Restore configuration	
Note: Determine/change IP on the control using the membrane keyboard by pressing '+' and '8' at the same time. Confirm next dialog with 'E'.	
Control port	10050
Download	© On O Off
Reports with Average consumption	O On © Off
Code:	Activate WEB SERVER Plus
Start time Report generation	02:00 server time Change
compressor	This function can be used to initialize the ampere measurement on the compressors. The function checks compressor current in loaded and unloaded operation and automatically sets the corresponding cos phi thresholds used to calculate power consumption. Values that were entered manually will not be overwritten. If a value is to be overwritten, set this manually to 0 beforehand. Run this function only after each compressor has operated at least once in both loaded and unloaded operation. For compressors that have not completed at least one load/unload cycle, these values cannot be calculated.
Ampere measurement	Initialize compressor ampere measurement
Mailing settings	
Mail host	
Mail user	
Mail password	
Mail sender	[MailConfig test]
Save Application	

Software MM Version 3.003 22.07.2009

In the remote control server settings menu

You can carry out the following actions: -
 Delete historical configurations - Delete temporary files - Restore configuration -
 Activate WEB-SERVER Plus - Change start time of report generation - Initialize compressor ampere measurement -
 Mail settings for SMTP server

* Airleader Master Module 3.003

Seite Sicherheit Extras

Datei Panel Online Overall diagram Dig. Signals Consumption Pressure calculation Service Report Settings

Kompressor Module Master analog inputs Analogmodule Digital signals General Control Fernbedienung

Benutzer Logout

diagnosis

Auf dieser Seite kann bei auftretenden Problemen die Ursache ermittelt werden.
 From here you can test the accessibility of the control, check the SD card in the control, test the mail server configuration, Datumssynchronität zwischen Server und Steuerung ermitteln, as well as view and delete the web server log file.

Run ping
 By pinging the controller you check the general Erreichbarkeit der Steuerung über das Netzwerk.

In the Diagnostics menu

you can carry out the following actions -
 Execute ping -
 Communication control -
 Check SD card - Date synchronization - Mail server configuration - Log file viewer

Configuration table 1

Station MM E:/online/daten/glaeser

Seite
Sicherheit
Extras
?

Control configuration

Customer:	E:/online/daten/glaeser					
Type:	MM					
Control number:						
Software Version:	2.603					
WebServer:	3.003 (22.07.2009)					
IP address:	192.168.0.100					
MAC address:	00.50.C2.72.AB.CB					
Date:	16.01.2010					

compressor	1	2	3	4	5	6
Designation:	Module 1	Module 2	Module 3	Module 4	Module 5	Module 8
VSD:	No	No	No	No	No	No
m3/min:	16.1 m3/min	16.1 m3/min	7.1 m3/min	7.1 m3/min	16.1 m3/min	11.6 m3/min
Imin / Imax:	-	-	-	-	-	-
Control range max:	-	-	-	-	-	-
Control buffer:	-	-	-	-	-	-
Volume flow minutes:	-	-	-	-	-	-
AE1 sensor type min/max:	Current measurement 0.0 - 500.0 (A kW)	Current measurement 0.0 - 500.0 (A kW)	Current measurement 0.0 - 100.0 (A kW)	Current measurement 0.0 - 100.0 (A kW)	Current measurement 0.0 - 200.0 (A kW)	-
AE2 sensor type min/max:	temperature 0.0 - 150.0 (°C mA)	temperature 0.0 - 150.0 (°C mA)	temperature 0.0 - 150.0 (°C mA)	temperature 0.0 - 150.0 (°C mA)	temperature 0.0 - 150.0 (°C mA)	-
AE2 Alarm min/max:	0.0 - 120.0 (°C A kW)	0.0 - 120.0 (°C A kW)	0.0 - 120.0 (°C A kW)	0.0 - 120.0 (°C A kW)	0.0 - 120.0 (°C A kW)	-
Analogue output current value min / max:	0.0 - 0.0 mA	0.0 - 0.0 mA	0.0 - 0.0 mA	0.0 - 0.0 mA	0.0 - 0.0 mA	0.0 - 0.0 mA
Analogue output pressure value min / max:	0.0 - 0.0 bar	0.0 - 0.0 bar	0.0 - 0.0 bar	0.0 - 0.0 bar	0.0 - 0.0 bar	0.0 - 0.0 bar
Load kW:	92.0 kW	92.0 kW	47.0 kW	47.0 kW	92.0 kW	83.0 kW
Idle kW:	25.0 kW	25.0 kW	10.0 kW	10.0 kW	21.0 kW	46.0 kW
Motor kW:	0.0 kW	0.0 kW	0.0 kW	0.0 kW	0.0 kW	0.0 kW
Motor V:	400.0 V	400.0 V	400.0 V	400.0 V	400.0 V	400.0 V
Last Cos phi:	0.9	0.9	0.95	0.9	-0.9	-0.9
Idle Cos phi:	0.6	0.6	0.7	0.6	0.6	0.6

Pressure switching points	Pmin	Pmax	PAalarm
DP 01	5.7 bar	6.2 bar	5.4 bar
DP 02	3.8 bar	4.8 bar	3.3 bar
DP 03	4.1 bar	5.1 bar	3.6 bar
DP 04	4.1 bar	5.1 bar	3.6 bar

Configuration table 2

Rankings	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
RF 01	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
RF 02	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
RF 03	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
RF 04	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Compressor change times			
Compressors	m3/min	Hour	Minute
with	7.1	04	00
Compressors	m3/min	Hour	Minute
with	16.1	04	00

Control parameters		
delay time	Minute	second
Start-up	0	40
Below	0	20
Above	0	20
Safety margin	bar	
Below	0.15 bar	
Above	0.1 bar	

Master analog inputs	Sensor type	Min	Max	Alarm Min	Alarm Max
AE 1	System pressure	0.0	16.0		
AE 2	flow	0.0	50.0	0.0	50.0
AE 3	-	0.0	0.0	0.0	0.0
AE 4	flow	0.0	25.0	0.0	25.0

Accessory modules

Timer						
SP	weekday	Time (hrs/min)	On/Off DP	RF	R1	R2
No switching points programmed						

Network settings	
IP address	192.168.0.100
Subnet mask	255.255.255.0
Default gateway	192.168.0.1
MAC address	00.50.C2.72.AB.CB

Miscellaneous	
Language	German
VSD Extend	2 (default)

Alarm delay times for	
Compressor malfunction	30 seconds
Analog inputs compressor module	30 seconds
Analog inputs master module	30 seconds
Analog inputs accessory module	30 seconds
Digital inputs accessory module	30 seconds

Creating a data archive

Prepare a ZIP file of operating data for a functional check or a support enquiry.

Settings > Remote control > Data archive

1 Choose what to archive

- Archive all data:** include the complete data set.
- Create partial archive:** include only the selected months.

2 Select the months and create the archive

For a partial archive, select one or more months and click **Archive**.

Creating the ZIP file may take some time. When complete, it appears automatically in the archive list.

Archive - Internet Explorer

Select months to archive:

2009-November

2009-October

2009-September

2009-August

2009-July

Archive

Cancel

3 Open or save the ZIP file

- Click the completed archive in the archive list.
- Open** displays the contents of the ZIP file.
- Save** saves the ZIP file to a folder on your computer.
- Attach the saved **ZIP file** to your support email.

File Download

Do you want to open or save this file?

Name: DatenArchiv.zip

Type: Compressed (zipped) Folder

From: 192.168.0.35

Open

Save

Cancel

Always ask before opening this type of file.

Only open or save files from a source you trust.

UPDATE with integrated ADMIN TOOL

You can find the ADMIN TOOL at <http://<server>/administrator>. This allows you to update the web server and visualize several AIRLEADER Master modules. Password like for the Airleader online visualization. The overview provides a list of all installed stations. "Update station" You can download the current software archive for updating the web server at www.airleader.de. Once this is finished, click on the station you want to update in the list. Use "Browse" to select the software archive on your local hard drive. With "Start update" the archive is loaded onto the web server and the update procedure begins. This process takes a few minutes. The overview will then appear again. The updated station has now stopped. It can be started again by clicking on the icon in the "Start" column. The update is now finished. Multiple stations If you operate multiple compressor stations, this procedure must be carried out separately for each station. Set up new station: you can set up new stations with the AdminTool. - call up the AdminTool - click on "Set up new station" - enter a new path.

