DART® DATA CENTER USER MANUAL

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1. Start Page

1.1 Navigation



Figure 1: Start page

On this page you have access to the following functionalities:

Search	Quick search a module by module number or label
Logout	Leave the Datacenter
Overview	Overview of all modules and messages etc.
Configure	Configure your installations
Forwarding	Setup message forwarding and destinations
User management	User configuration and management
<< Start >>	Return to the start page
<< Help >>	This help document
<< Imprint >>	Imprint

2. Overview "All Modules"

When you select "**All Modules**" in the navigation menu on the left, you will get an overview of all your devices which are registered with our Datacenter.

2.1 Overview

[III]→ All modules (10)	erview	Configure Forward	ling User manageme	ent			
WIKON - Test Kärnten	odules essage	s	2010-06	-07 10:06:27+02			Page: 1
C	onsum	ption 🕨					
F	ill level		show own modules?	Status	Order	by	Show all?*
« Start »	tatistic	s 🕨	No 💌	Show all 📩	Last message	▪ Desc ▪	No 🗾
« Help »	how gr	oups					
« Imprint »	etailed	search			Status	Last mossar	0
1		+491726646420			OK	2010-06-05 1	1.18.00+02
2		+491726646371			Failure	2010-06-03 1	2:29:44+02
3	1	+43 676 445 1007	2		Info	2010-06-03 1	2:10:05+02
4	~	NEON5 (7207)	-		Failure	2010-02-21 2	0:56:33+01
5	<	Neon HB-P			Failure	2009-10-14 0	6:20:02+02
6	1	Xenon HB-P			Failure	2009-09-07 0	7:19:54+02
7	<	NEON5 (7207):AM	<u>//04</u>		-	2009-09-04 0	8:17:12+02
8	✓	<u>Klimaanlage Dacl</u>	<u>ı (1716)</u>		Failure	2009-08-21 1	8:11:30+02
9	✓	Serverraum (5238	D		Failure	2009-08-18 0	2:22:03+02
10	✓	NEON5 (7207):SM	<u>//04</u>		-	2009-06-15 1	3:59:50+02
Sh	ow help	»					Darie: 1

Figure 2: Overview (all modules)

Information which is being shown on this page:

- The Label of each module
- The timestamp of the most recent message of each module received by our Datacenter
- State of each module
- Active-Flag which indication if the customer has marked the module as inactive or not

Modules which have not yet sent a message to the Datacenter are not shown by default.

► To display modules not having sent a message yet set the filter box on the right

"show all" to "yes" (Fig.12)

Overv	view C	onfigure Fo	rwarding	User managem	ent				
(1111)-	→ Mod	ules		2010-06	-07 10:08:32+02				Page: 1
Sł	Active / now all	Inactive	only sh	ow own modules?	Status Show all 💌	Last me	Order	by ▼ Desc ▼	Show all?* Yes 💌
No.	Active	Description	I				Status	Last messag	е
1	¥	+491726646	420				ОК	2010-06-05 1	1:18:00+02
2	×	+491726646	371				Failure	2010-06-03 12	2:29:44+02

Figure 3: Module overview including modules not having sent messages yet

By clicking on a device you get the detailed module overview for this single module. The current module state is colored as follows:

- Blue Info
- Green O.K.
- Purple Alert
- Red Error
- Yellow Warning

Comanche Dart® Data Center

2.2 Messages

Ov	erview Cont	figure Forwarding	User management				
м	odules		2010 06 07 10:10:10:00	Darra 1			
Μ	essages		2010-06-07 10:12:18+02	Page: 1			
С	onsumption	n 🍅					
F	ill level		Status	Order by			
S	tatistics		Show all 💌	Last message 💽 Desc 💌			
	now groups	s rch					
c	hoose map						
	Active:	¥					
	Description:	+491726646420	04-06-04-04-00 10-10-EE-EE 18-18-	00 7D-9E 7D-CA 0A-06-05-0A-11-12 01			
1	1 Received at: 2010-06-05 11:18:00+02 Create at: 2010-06-05 11:18:00+02		0A:06:04:0A:00 10:10:FF:FF 18:18:00 7D:9F 7D:CA 0A:06:05:0A:11:12 1A DE 99 00:00:00:00 86 03				
	Status:	Fehler					
	Active:	1					
	Description:	+491726646371					
2	Received at:	2010-06-03 12:29:44+02	Routineruf ausgefallen				
	Create at:	2010-06-03 12:29:44+02					
	Status:	INFO					
	Active:	1					
	Description:	+43 676 445 1007	== Routine == Do 03.06. 11:01:08+	01 E3:=aus E4:=aus Adr:00			
3	Received at:	2010-06-03 12:10:05+02	Fuellstand:90% GV:30%,88%,01% GSM:45% Reset:01,00,02,00 #	p:12h,05% Batt:03,61V T:+15oC=			

Figure 4: Recent messages of each module

The most recent message of each of your devices is shown on this page.

When you click on a message, you get to the detailed message overview of the selected module.

There are several filters available which enable you to adapt the view to your needs. You can change the sort order as well as filter by modules having a predefined state.

3. Module Overview "Single Module"

Select a module in the module overview and you will get to the detailed module view page.

3.1 Module Details

De	tails	1.000			
Me	ssages 🗘	p 2.76 2	010-06-07 10:4	9:59+02	
Co	nsumption				
Vi	sualisation	Choose module		Change vi	ew
His	story	+491726646420	•	Minimized vie	ew 📩
No.	Channel	Description	Value/s	Condition	Status
1	Analog input	Eingang 1	-226.9 %		
2	Analog input	Eingang 2	-220.2 %		
3	Digital output	Ausgang 1	0	aus	-
4	Analog value	Batterie	3.57 V	ОК	OK
5	Analog value	Empfangspegel	78 %	OK	OK
6	Text configuration	Meldetelefonnummer	0	+491728484176	-
7	Text configuration	Eigene Telefonnummer	0	+491726646420	
	a compression and some statements	lotator Poutinoruf		2010-06-05 11-18-00+0200	

Figure 5: detailed module view

All the data which belongs to the selected module is shown on this page, by default in a compact view ("minimized"). If you want to see some more information, change the according filter to "maximized".

3.2 Messages

De	etai	ils					
M	ess	ages	N	cp 2.76	20	10-06-07 10:54:16+02	Page: 1
C	ons	umption	4				
Vi	isu	alisation		Stat	us	Order by	Direction
Hi	isto	ory		- All	-	Received at 🗾 Desc 💌	Incoming/System -
Ο	1	at:	11:18:00+02 2010-06-05	DE 99 00:00:0	0:00 86 0	03 03	0A.06:05:0A:11:12 01 1A
0	1	at:	11:18:00+02 2010-06-05	DE 99 00:00:0	0:00 86	03	
			11:18:00+02				
		Status:	OK				
0	2	Received at:	2010-06-04 11:17:49+02	0A:06:03:0A:0	00 10:10:1 0:00 4F (FF:FF 18:18:00 7D:8E 7D:B6	0A:06:04:0A:11:12 01 1B
		Create at:	2010-06-04 11:17:48+02				

Figure 6: Messages of a single module

This will show you all the messages of the selected module. By default only those messages which have been received by our Datacenter from the device are shown. By using the filter box you can also display system messages and outgoing messages from our Datacenter to the device.

3.3 Send Commands

Send	Module data		0010 00 07 10 55 17 00		
comma	Send commands	2010-06-07	2010-06-07 10:55:47+02		
	Channels	V			
	Conditions	Choose module			
	Manual message	+491726646420	-		
Choose / er	Manual message	+491726646420			

Figure 7: Send a routine call configuration to a device

Here you send configuration messages to your device. Choose a command, enter optional parameters and submit the form. Most devices support the following commands:

Status request
Configuration request
Query analog configuration
Reset counters
Automatic time setup
Configure Routine call
Configure the mobile number to which messages are sent by default ("No. 1")
Configure authorized mobile phones which are enabled to send commands
Query GSM mobile number of your device
Switch demo mode (on by default)

Example for a routine call configuration(fig. 25):

- 1. set the dropdown box to "routine call"
- 2. enter parameters for the desired routine call interval

Format: h [blank] XX:45h

h	01:45h	= hourly at xx:45
h	04:45h	= every 4 hours at xx:45h
t	23:00h	= daily at 11 pm
W	135	= Monday (1), Wednesday (3), Friday (5) at 08:30h am
	08:30h	

Cond	Module data	
comma comma	Send commands	2010-06-07 10:58:09+02
	Channels	2
	Conditions	Choose module
Manual message		+491726646420 -
	Manual message	+491/26646420
		Messages in the waiting queue
Creation da	ate	Messages in the waiting queue Command description Text Delete

Figure 8: Message queue

Some of your commands, especially those to battery-powered devices won't be sent out immediately, because the devices reside in energy-save mode most of the time.

You can see commands which are not sent yet in the message queue. As long as messages are waiting for being sent, you can still delete them (fig.27).

NOTE: You will find more precise information about supported device commands in your device manual.

3.4 History

Details				
Messages	G 8.61	2010-0	6-07 11:01:03+02	Page: 1
Consumption				
Visualisation		from	till	Order by
History	· ·	2010-05-07	2010-06-07	Timestamp 📩 Desc 📩
Description	Val	ue/s	Fimestamp	
Fuellstand	90	1	2010-06-03 12:03:54+0)2
Batterie	3.6	1 2	2010-06-03 12:03:54+0	02
Empfangspegel	45	1	2010-06-03 12:03:54+0	02
Hardware Reset	1	2	2010-06-03 12:03:54+0	02
Software Reset	0	1	2010-06-03 12:03:54+0	02
Modem Reset	2	2	2010-06-03 12:03:54+0	02
Fehler GOK	0	1	2010-06-03 12:03:54+0	02
DCE	1		010 06 02 12:02:54+0	20

Figure 9: History

The history view provides module data for a selected period of time. This period of time can be selected by using the dropdown boxes shown above (surrounded by the black box).

3.5 Drawing / Visualization

Details	ON-GG 8.61	2010-06-07 11:04:26+02	
Messages			
Consumption			
Visualisation	nodule	from	till
History	.007	2010-05-07	2010-06-07
Fuellstand	Batterie	🗆 Empfa	ngspegel
Hardware Reset	Software Reset	Moder	n Reset
Fehler GOK	DCF	C Komm	unikation
Befüllung	Eingang 1	🗹 Eingar	ng 2
Temperatur			
	Opt	tions	
Show old data:	None	-	Select all
Show counter data as:	Data	-	Select all
one value per	[Show all]	-	
and rando per	Long and	_	Select none
r consumption is drawn	valid values only	<u>•</u>	
	Show graph(s)		

Figure 10: Prepare data visualization

"Draw" / "Visualization" provides a graphical evaluation of all collected module data. Select the desired period of time and the channels of your device which you want to have displayed graphically. As a reference you can also enable former data to be displayed at the same time (e.g. last month / last year data). Hit the "show graphs" button to create the dynamic graphs.



Figure 11: Reference values from last month

Here you see a graph (blue) with reference values from the preceding month (grey).

					exte	erne	er T	em	per	atu	rsei	nso	r [°	C]				
-40						- 2	ENO	N-am	+49	172.6	52 52	08						
30				1	-	-	-	-										
-			_	-	_							-	_	-	-	_	-	_
							T											
10																		
0																		
-10 -				1	-	-	-		5									
-20									.0									
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	00.7	7, 123	8	1, 125	.00	7, 121	9.00	8, 121	00	3, 121	8	1,123	00	8, 123	00	3, 121	00 1	1.125
	12.0	12.00	12.0	12.00	12.0	12.0	10	10	010	010	8	10	010	010	010	010	010	010
	8	8	8	8	31	31	5	5	8	8	8	8	8	8	8	8	8	8
				B	nant	Y	SI	NOW D	p	0	ption		SI	ats	1			

Figure 12: Zoom into particular sections of

Enlarge a section of the graph by holding down the left mouse button while drawing a frame from upper left to the lower right of the area of interest.

With the inverted gesture (movement from lower right to upper left while holding down mouse button) you can return to the original view.



Figure 13: Zoomed-in view

Here you see an enlarged section of the original graph above.



Figure 14: Export functions

The graphs are interpolated. To see the exact measurement points, click on "show DP" (Fig.34).

Access the context menu with the right mouse button to find print and export functions.

3.6 Configuration

🥭 Channe	Module data Send commands	20	2010-06-07 11:07:20+02						
	Channels								
	Conditions Manual message	-1	Wh	t to configure?					
Channel	Description	Minim	um Maximum	Unit	Display				
Value input	M-Adresse	0	0						
Analog input	Fuellstand	0	100	96					
Analog value	e Batterie	0	4	V					
Analog value	Empfangspegel	0	100	%					
Couter readi	ng Hardware Reset	0	0						
Couter readi	ng Software Reset	0	0						
Couter readi	ng Modem Reset	0	0						
Couter readi	ng Fehler GOK	0	0						
Digital value	DCF	0	1						
Digital	Demomodus	0	1						

Figure 15: Configure data points

After having set up a new module, you have to configure its data points (fig.35) and internal states (fig.36).

Enter a label, set up a minimum and maximum value and the correct unit for each data point.

	Module data									
Z Conditie	Send commands		2010-06-07 11:08:36+02							
	Channels									
	Conditions		What do you want to configure?							
	Manual message	-		Condit	ions 📩					
Channel	Description	Range	Lower limit	Upper limit	Condition	Status				
Analog input	Fuellstand	0-100%	31	99	ОК	-	•			
Analog input	Fuellstand	0-100%	21	30	Bestellung a	Alert	•			
Analog input	Fuellstand	0-100%	1	20	Bestellung p	Alert	-			
Analog value	e Batterie	0-4V	3.4	4	ОК	OK	•			
Analog valu	e Batterie	0-4V	3.2	3.4	niedrig	Info	•			
Analog value	e Batterie	0-4V	0	3.2	zu niedrig	Warning	-			
Analog value	e Empfangspegel	0-100%	30	100	ОК	ОК	•			
Analog value	e Empfangspegel	0-100%	20	30	niedrig	Info	•			
	=		0	00		14/	1			

Figure 16: Configure states

We have preset the ranges which can be parameterized for each data point. Assign a label to the state (e.g. "Temperature, 40°C, hot") and additionally assign an internal state like "warning".

This state will be used later to setup state-dependent message forwarding (see

chapter "Forwarding").

Figure 36 shows the configuration of a manual message. This feature can be used to generate a customized message which should appear in the devices "Messages" section. The manual message will only be inserted locally in our database, there will be no message sent to the device itself.

Monuol	Module data		
messag	Send commands	2010-06-07 11:1	0:18+02
	Channels		
	Conditions		What do you want to configure?
	Manual message		Manual message 📩
Chose acti	on	Time	
Manual -	2010 - 6	· - 7 · 11 · :	10 • : 18 • : +02 •
Enter man	ual message (max 200 ch	racters)	
Checked in	nstallation		

Figure 17: Set up a manual message

3.7 Module Data

Madula	Module data						
data	Send commands	2010-06-07 11:35:47+02	2010-06-07 11:35:47+02				
	Channels						
	Conditions	Choose module					
	Meter	⊳non-ZZ Testgerät _					
	Data logger start						
	Manual message						
Module des	scription	Module type	Module number				
dXenon-ZZ	Testgerät	XENON-zz	+4917234567				
Module coo	ordinates (North-East-for	mat, e.g. N: 49.7669 / E: 7.959)	Delete module?				
N:		E:	Delete				
Assign cus	tomer		Set module active / inactive				
WIKON De	emo	•	Inactive 📩				
Short descr	ription (Max 100 charact	ers)					
Notes / Men	no field (Max 500 charac	cters)					

Figure 18: Module data / delete module

Here you have all relevant data of the selected module at a glance. Fill out or change the text fields to supply additional information about the currently selected module or if you want to enter a new mobile number (e.g. because the GSM sim card was exchanged).

Setting the device to "inactive" state does not influence the functionality of the module itself. It is just a flag the customer can set to mark the module as unused.

Inactive modules are excluded by default from the "All modules overview" page.

4. Message Forwarding

Choose "Forwarding" from the navigation menu on the left to access message forwarding functions.

Note: You must have forwarding privilege assigned to use this function. Otherwise, you can't setup forwarding rules, they won't be working.

The first step when setting up a message forwarding rule is to create a new message destination, which means a device the message will be sent to. It can be a facsimile, a mobile phone or a mail address.

Targets Config	
	lure
Configure lists Create	
Status forwarding >	
Description 1:1 forwarding lephone	e number / address Customer
SMS -	WIKON Demo -
Daten absenden Zur	rücksetzen

Figure 19: New Destination

4.1 Configure Targets

Over	view Configure	Forwarding	lser manageme	nt			
5	Destinations	Targets	Þ	Configure			Dens: 1
	Desunations (Configure li	sts 🗅	Create			Page: 1
		Status forwa	arding 🕨 Þ	•			
No.	Description	1:1 forwardi	ng	phone number / add	dress Cust	tomer	
1	Alarm	SMS	+49	172123456	WI	KON Demo	Delete
2	Alarmfenster	Alert	•		WI	KON Demo	Delete

Figure 20: Manage message destinations

Check your targets you have already set up to proceed to the next step.

Please use only valid addresses and telephone numbers. Do not enter a mobile number when the device type is "Mail" or a mail address when device type is "SMS"!

To create another destination, select "New destination" from the above menu.

4.2 New Destination

Overview Configure	Forwarding User manage	ment	
<i>4</i>	Targets	Configure	
	Configure lists	Create	
	Status forwarding		
Description	1:1 forwarding	lephone number / addre	ess Customer
	SMS 🛨		WIKON Demo
	Daten abs	enden Zurücksetzen	

Figure 21: Create a new destination

As a possible target, a SMS capable mobile phone, a mail address or a fax number can be used.

If you like to have messages forwarded to your mobile phone, configure the destination type "SMS" and enter your mobile number as follows: "+CCNNNNNNNN" where CC is your country code, e.g. "1" for USA and the 'N' letters stand for the rest of your mobile number. Do not use any blanks or whitespaces.

The next step will be to assign the destinations to an alarm list. To do this, use the menu item "list" or "configure new list".

4.3 Configure Lists

Overview Configure	Forwarding	Jser manage	emer	nt			
🥰 🚽 o	Targets		\triangleright	7 11 40 05 10	2		
	Configure li	ists	►	Configure			
	Status forw	arding		Create		Ŋ	
Please choose the list	1:1 forwardi	ing					
Alarmfenster	0]					
Delete							
Customer							
WIKON Demo	•						
Destinations in the list					Dest	tinations not	in the list
Emilie (WIKON De Alarmfenster (WI Alarm (WIKON De	emo) KON Demo) emo)	∧ A R	dd emov	ve		HJB (WIKON Handy JNA (Herr Molz (\ Flaga (WIKC Herr Schneid	Demo) WIKON - Test Kärnter N - Test Kärnten) der (WIKON - Test Kå

Figure 22: Edit lists

With an alarm list you can combine multiple targets in one list, this enables you to send notifications to one or more recipients.

Configure, edit or delete you alarm lists here on this page. Choose the list you want to configure from the dropdown box and assign destinations to the list with the "Add" and "Remove" buttons. Hold down the CTRL key on your keyboard to select more than one entry at once.

4.4 Create a New Forwarding List

3 _	Targets		
→ ■ New List	Configure lists	Configure	······
	Status forwarding	Create	N
Name of the list	1:1 forwarding	er (
NAME		WIKON Demo	•
Destinations in the list			Destinations not in the list
HJB (WIKON Dem Emilie (WIKON D	o) <u>^</u> emo) <u>v</u>	Add Remove	Alarmfenster (WIKON Demo) Handy JNA (WIKON Demo) Alarm (WIKON Demo) Herr Molz (WIKON - Test Kärnter Flaga (WIKON - Test Kärnten) Herr Schneider (WIKON - Test Kä

Figure 23: Create a new list

Set up new alarm lists on this page. First, enter a name for the list to create, then add some of the available destinations to the new list and submit the form. Now the list is ready for use with the "Forwarding" function.

4.5 Set Up Message Forwarding

Over	view Configure	Forwarding	User manage	emen	t				
₹_,	Forwarding A	Targets Configure	lists	\land	7 11:52:38	+02			Page: 1
		Status for	warding	►	All modu	ules	,		
No.	Name of the list	1:1 forwar	ding		One moo	iule	9	Alert	Failure
1	Alarmfenster							\checkmark	\checkmark
2	ArQuE Test								
3	Fuellstand								

Figure 24: Message forwarding

Prerequisite for setting up a forwarding rule is at least one existing alarm list with existing destinations. There are two ways to set up a forwarding rule:

- state-dependent forwarding for all modules
- module-dependent forwarding rule which overrides the state-dependent settings

By creating a forwarding rule you enable your preferred destination device to receive forwarded messages of your installations by our Datacenter whenever they are in an alert condition. As an example, if you want to have "error"-state messages forwarded to your mobile phone, add your mobile phone to an alarm list an then check the "error" state box in the line with your list containing your mobile phone.

State - dependent forwarding is available for the following internal states:

- OK
- Info
- Warning
- Alert
- Error

To set up a module specific forwarding rule, go to the module specific forwarding page ("Forwarding module").

4.6 Module Dependent Forwarding

Overview Configure	Forwarding	User managen	nent								
Forwarding O	Targets Configure I	lists	⊳ ⊳ ⁷¹¹	:53:5	1+02						
	Status forw	varding	► All	mod	lules						
	1:1 forward	ling	On	e mo	dule						
	1	NEON5 (7207)	(WIKO	N Der	no)		<u>-</u> V	-			
Choose list											
		•	>								
Alert list			Time	1:1	ок	Info	Warning	Alert	Failure	text	Delete
нјв			0	\checkmark							Delete

Figure 25: Module dependent forwarding

A 1:1 forwarding can be used to see all messages on your receiving device exactly as they appear on our Datacenter. Choose a module and an alarm list, make sure that the "1:1" checkbox is selected and submit the form.

Overview Configure	Forwarding	User manager	nent								
4			\triangleright								
Forwarding O	Configure lists		\triangleright^{71}	>7 11:53:51+02							
	Status for	warding	► AI	Imod	lules						
	1:1 forwar	ding	Or	ne mo	dule		N.				
		NEON5 (7207)	(WIKO	ON De	mo)		- V	-			
Choose list											
		•	>	•							
Alert list			Time	1:1	ок	Info	Warning	Alert	Failure	text	Delete
нјв			0	\checkmark						-	Delete

Figure 26: Module and state dependent forwarding at once

You can also set up forwarding rules which are specific for one selected device and additionally only apply to selected states. Proceed as described above and select the state condition checkboxes for which you want the messages to be forwarded. The "1:1" checkbox is not necessarily needed at this point, but you can enable 1:1 forwarding additionally.

Overview Configure	Forwarding	User managem	ıer	nt	
3	Targets	0			
Forwarding O	Configure	lists	\triangleright	/ 11:57:05+02	
	Status for	warding	►	All modules	
	1:1 forwar	ding		One module	
				- V	
Module description				Alort list	
module description				Pierchist	
NEON5 (7207)				HJB	/
+43 676 445 1007				WIKON	/
145 010 445 1001				WINCON	

igure 27: edit existing forwarding rules

Click the pen icon on the overview page to validate and edit your rules.

5. Data Export

5.1 XML – Export

Übersicht	Konfigurieren	Weiterleiten I	Benutzerverwaltu	ng						
6	Neues Modu									
[::::]→ XM	Export	⊳	CSV-Export							
	Gruppen		XML-Export							
	Alarme		XLS-Export							
			Konfigurieren							
			Anlegen							
			Anfordern							
				Tag M	onat	Jahr	Stund	e Min	ute Sel	kunde
Start Datum	auswählen			8 - 5	•	2010 -	0 -	0	<u> </u>	-
Ende Datum	n auswählen			8 🕶 6	-	2010 -	0 -	0	• 0	•
Nur ein Wert exportieren, pro			Stunde			•				
Mit Differen	zen / Verbrauch	?		Nein 🛨						
Datenpunkt	te auswählen									
🗹 Eingang	1		ingang 2			Ausgang	1			
Batterie			Empfangspegel			Temperat	tur			
Hardware	e Reset		oftware Reset			Modem F	leset			
Fehler ex	ktern									
			Daten abse	enden						
1816				_		_	_		_	
Hille anzeig	gen »									

Figure 28: XML - Export

For use with external software, we provide some export functions to get the data from our Datacenter to your local computer. XML is a structured data format which is support by many current software products. Choose the module for which you want to export the data and set up the period of time which is of interest for you. Then select the data points you want to export and submit the form.

5.2 CSV – Export

A .		Б	U 1			
Timestamp		M-Adresse	Difference (M-Adresse)			
2008-01-01 00:00	D:00+01	75	NaN			
2008-01-01 06:00	0:00+01	75	0.0			
2008-01-02 00:00	0:00+01	68	-7.0			
2008-01-02 06:00	0:00+01	68	0.0			
2008-01-02 12:00	0:00+01	75	7.0			
2008-01-03 06:00	J:00+01	68	-7.0			
2008-01-04 06:00	J:UU+U1	/5	7.0			
	J:00+01	50	-25.0			
2008-01-05-00.00	J.UU≁U1 1·00∓01	50	-49.0			
2000-01-05 08.00	0.00+01 0.00+01	50	-49.0			
2008-01-05 12:00	1.00+01	68	18.0			
2008-01-06 06:00	0:00+01	68	0.0			
2008-01-06 12:00	0:00+01	50	-18.0			
2008-01-07 06:00	0:00+01	68	18.0			
2008-01-07 12:00):00+01	99	31.0			
8 2008-01-07 13:00	0:00+01	93	-6,0			
2008-01-08 06:00	0:00+01	93	0.0			
2008-01-08 12:00	0:00+01	93	0.0			
2008-01-09-00:00	0:00+01	83	-10.0			
2008-01-09_06:00	J:00+01	68	-15.0			
[III]→ CS	xport	modul	CSV-Export	to.15.40.00	1	
G	ruppe	n	XML-Expo	't	Г	
A	larme		XLS-Expor	t		
			Konfigurie	ren		
			Anlegen			
			Anfordern	Too N		
Start Deturn	- ا جا تزرید و			Tag N	ionat	20
Start Datum au	swanie	21		8 <u> </u>	-	20
Ende Datum au	Iswähle	en		8 - 6	· •	20
Nur ein Wert ex	portier	en, pro		Stunde		
Mit Differenzen	/ Verb	rauch?		Ja 🚽		
Trennzeichen				; 💌		
Dezimaltrennze	eichen			, 📼		
Texterkennung	szeiche	en		"	1	
Datenpunkte a	uswäh	len				
M-Adresse			Fuellstand		[Ba
Empfangsp	egel		Hardware Reset			

Fehler GOK

Befüllung

Temperatur

Figure 29: CSV-Export

Modem Reset

Communikation

The use of CSV export is similar as the way described above. CSV is more suitable for applications such as Microsoft Excel or Open Office Calc. When using the CSV export function, be sure to select the correct text separator character for your application.

Eingang 1