

elproLOG MONITOR

Operation Manual Version 3.xx



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Used Symbols & Designation Key



IMPORTANT INFORMATION OR WARNING

Reference to resuming chapter [xxx / yyy / zzz; e.g. 5.9.1 *Alarm Protocol Structure* / Title / PC time] or document



In the interest of our customers, we reserve the right to make any changes resulting from technical advances. Therefore, schemes, descriptions and extent of delivery are subject to change without any notice! This manual is valid as from software release 3.6x



1. Introduction to elproLOG MONITOR

This application is used to supervise, to display and archiving data of network dataloggers (ECOLOG-NET) as well as forwarding limit values violations.	elproLOG ANALYZE	
For the configuration of the dataloggers the software elproLOG ANALYZE is required. Provide the set of the se		
The dataloggers to be monitored are put into different groups according to customer facility structures. For this organizational work elproLOG CONFIG is used.	elproLOG CONFIG	
To controll user access, all entries are supervised by elproLOG USER. Poperation manual SU3001E	elproLOG USER	
The following functions are part of the software:Datalogger supervision and regularly updated		

Alarm monitoring and log files.
Automatic data backup to an mdf file, readable with elproLOG ANALYZE (21CFR11 compliant file).

measurement values.



2. How to Start Monitoring Tasks

2.1 New Task

CONFIG	1.	Define a group with the loggers to be monitored. The result of this work is a group configuration file with the file ending .gcf gcf
	2.	Select the desired gcf-file and configure the monitoring task 4.1 Basic Settings & 5. Alarm Settings
	3.	Setup a new monitoring task
	4.	Select the group, define "Measuring" and "View"
Examples for the two representation possibilities 7 Data	.	~
Representation		



2.2 Change Group

Select the group, define the cycle time and the data representation possibility *Data Representation*



3. Menus - Functions - Icons

The following functions are available in the elproLOG MONITOR software:

3.1 Menus - Functions

File

New

File
New
Close
Exit

Open a new group which has to be monitored

4.2 Group Settings

Group



Settings

Used to change the monitored group and to assign the independent cycle time for each group.

4.2 Group Settings

After a restart of the program, the last selected groups will be monitored automatically.



Tools

 Tools

 Options...

 Start autosave manual

 Font Title and Value Row...

 Font Unit Row...

 Hide disabled Sensors

 Hide disabled Digital Inputs

 Show Alarm at the top

Options

This function is used for all possible program settings.



Start autosave manual

This function is used to perform an autosave as mdf-file right now

5.12 Autosave as MDF

Font....

Use these settings to match the used fonts of the main window

Hide disabled...

Sensors / digital inputs which are disabled in elproLOG CONFIG, are not represented in the in the elproLOG MONITOR main screen.

Show alarm at the top

Alarm conditions are shown on top of the list and not in a simple alphabetic order.

Window

Win	dow	
	<u>C</u> ascade	
	Close All Windows	
	Tile Horizontally	
	Tile <u>V</u> ertically	
~	1 Group Store 1	

About elproLOG MONITOR

Help

Help

i

About elproLOG MONITOR

Function to organize your screen

Detailed information about the installed software version

Change Password

As long as elproLOG USER is not used, this password function allows to control the access rights over elproLOG MONITOR.



3.2 Icons



Acoustic alarm

Switches the local (pc), acoustic alarm off



Alarm Window

Used to open the alarm window

This icon is going to blink red, as soon as an alarm has been released. It stays active till the alarm has been confirmed even the alarm has vanished.



X

4. Configuration

4.1 Basic Settings

6 Options

Select in the "Tools" menu "Options" to open the window

the window	Basic Settings Notification Settings Acknowledgement Repeat Notification Alarm Sound Alarm Interface 1 Scheduler Alarm Interface 2 E-Mail Settings Alarm E-Mail Warning E-Mail SMS Settings Alarm SMS Warning SMS Keep Alive SMS Alarm Protocol Group Protocol Logger Protocol Autors an SMDF Scheduler Communication Timeouts	Basic Settings Selection of group configuration file, created with elproLOG CONFIG. Values to be monitored depends on logger type. Leave default settings for ECOLOG-NET. The cycle time defines the time between screen updates. Group Configuration File C:\Programme\elpro\elproLOG MONITOR\Location1.gcf Confirm Application Exit Values to be monitored • Last stored value Default Cycle time: 3 min Default View • Logger based view • Sensor based view English Restart application to activate new language	
		OK Cancel Help	
Group Configuration File Values to be monitored Default Cycle time	Location where (gcf files) are st 4.1.1 Va Time between 2 dataloggers. Th individually in th	the configurations from elproLOG CONFIG tored. <i>lues</i> 2 scans over the selected group of his parameter may be changed for each group	
	Default: 3 Min	ne Settings window. It does not initiance ent logging interval of the dataloggers! utes p Settings	
Default View	Switch between logger based or sensor based representation		
Language	Current application languages: German or English		
For further details see also the window related comment	Confirm all entries by pressing the OK button and continue the settings with the selection of the datalogger group to be monitored.		



4.1.1 Values

For a safe monitoring of a data logger the following information should be taken into consideration

Value	Setting	Comment
Last measured value	Default setting	For an easy evaluation of the different protocols, the logging interval of the data loggers being monitored, should not be longer than half of the cycle time. For logging intervals (> 2 minutes) the data of the loggers will be updated at least once per minute. In this case the cycle time should not be faster than 2 minutes.
Last stored value	Required for the first series of ECOLOG-NET data loggers or for loggers with serial interface only.	The data for elproLOG MONITOR will be up-dated in the logging interval regardless of the data logger settings.



4.2 Group Settings

Select in the "Group" menu "Settings" to open the window



- **1.** In 4.1 Basic Settings selected group configuration file.
- **2.** Group names of the data logger groups defined in elproLOG CONFIG. The selected group name is used to refer the monitoring window.

MeasuringThis is the time between 2 scans applied for the selected
group only.

View Switch between logger based or sensor based representation



5. Alarm Settings

The following settings are part of the "Tools / Options" menu. They are used to define the alarm parameters and alarm reactions.

5.1 Notification Settings

6 Options		X
Basic Settings Notification Settings Acknowledgement Repeat Notification Alarm Sound Alarm Interface 1	Notification Settings Select conditions that should release an alarm.	~
E-Mail Settings Alarm E-Mail Warning E-Mail SMS Settings Alarm SMS Warning SMS Keep Alive SMS Alarm Printer Alarm Protocol Group Protocol Logger Protocol Autosave as MDF Scheduler Communication Timeouts	Conditions ✓ Sensor Alarm Sensor Warning No connection to logger Number of cycles delay until alarm: 1 Sensor breakage/short circuit Digital Input 1 Alarm when Input = 1 Number of cycles delay until alarm: 0 Digital Input 2 Alarm when Input = 1 Number of cycles delay until alarm: 0 Queues delay until alarm: 0	
	OK Cancel Help	

Alarms are recognized by elproLOG MONITOR only, if they are active at the time of cycle reading!

An alarm indicated by the logger limit values will be recognized.

An alarm indicated by the elproLOG CONFIG limit values.

If the communication with a particular logger gets lost, it will be treated as an alarm (network problems).

These sensor error messages will be treated as an alarm.

Sensor Alarm

Sensor Warning

No connection to logger

Sensor breakage / short circuit



Digital Input 1 / 2	The digital inputs off the logger could be forwarded as an
	alarm from an external device hooked up to the logger

Alarm if Input = 1	Switch between Digital Input 1/2 and GND closed
Alarm if Input = 0	Switch between Digital Input 1/2 and GND open

Autosave failedThis message will be treated as an alarm in cases where
autosave of logger data failed.5.12 Autosave as MDF

Recommendation for the hierarchy of the warning / alarm notification

Deviation	Limit value	Notification State	Example
++	Logger (see status)	Alarm	28?
+	elproLOG CONFIG	Warning	22°C
		o.k.	20?
-	elproLOG CONFIG	Warning	17?
	Logger (see status)	Alarm	9?



5.2 Acknowledgement

Definition of up to 3 text fields and their title row for the documentation of an alarm or a warning message.

🕏 Options	
Basic Settings Notification Settings Acknowledgement Repeat Notification Alarm Interface 1 Alarm Interface 2 E-Mail Settings Alarm E-Mail Warning E-Mail SMS Settings Alarm SMS Warning SMS Keep Alive SMS Alarm Printer Alarm Protocol Group Protocol Logger Protocol Logger Protocol Autosave as MDF Scheduler Communication Timeouts	Acknowledgement Define a headline for up to 3 text fields, which will show up by an alarm or warning acknowledgement.
	OK Cancel Help

To acknowledge an alarm, a comment has to be entered into the "Alarm Acknowledgement" window. 8.1.1 Notes About the Alarm Reason

Fill in comment mandatory

5.3 Repeat Notification

Delay time in number of cycles till an active alarm- warning notification will be repeated.

Active alarms and warnings are repeated only.



ELPRC

5.4 Alarm Sound

6 Options	
Basic Settings Notification Settings Acknowledgement Repeat Notification Alarm Interface 1 Scheduler Alarm Interface 2 E-Mail Settings Alarm E-Mail Warning E-Mail SMS Settings Alarm SMS Keep Alive SMS Alarm Protocol Group Protocol Logger Protocol Autosave as MDF Scheduler Communication Timeouts	Alarm Sound Select the sound for the audible alarm. elproLOG MONITOR will play the selected sound using the computer speakers as soon as an alarm condition is fulfilled. Enable Alarm Sound Path C:\Programme\elpro\elproLOG MONITOR\Alarm.wav
	OK Cancel Help

Path

Directory which contains the desired acoustic alarm.



Alarm Interface 1/2 5.5

6 Options		×
Basic Settings Notification Settings Acknowledgement Repeat Notification Alarm Sound Alarm Interface 1 - Scheduler Alarm Interface 2 E-Mail Settings - Alarm E-Mail - Warning E-Mail SMS Settings - Alarm SMS - Warning SMS - Keep Alive SMS Alarm Protocol Group Protocol Logger Protocol Autosave as MDF - Scheduler Communication Timeouts	Alarm Interface 1 Settings for optional Alarm Interface (Part No. 2355-A). Define the behaviour for forwarding alarms and/or warrings to the Alarm Interface. Additionally, the Alarm Interface can be used as Watchdog for elproLOG MONITOR. Image: Composition of the alarm Interface 1 V Alarm Forwarding Image: Watchdog Test Alarm Interface: 1 On Off Alarm Interface Version: 2 Get	
	OK Cancel Help	

- **1.** By activating the test function (Test alarm Interface ON), the 2nd relay in the alarm interface is switched on after 30 s and not after 20 min as under normal condition.
- 2. Service function to identify the firmware version (old V1.2 / current V1.7) of the alarm interface used

This check box activates the features of the optional Alarm **Enable Alarm** Interface (part no 2355-A). For technical details see: user Interface manual of the alarm interface D-AD-2102E.

To select the communication port where the Alarm Interface ComPort is connected to.

This check box activates the alarm interface Alarm Forwarding Warning Forwarding 5.1 Notification Settings / Conditions.

This check box activates a watchdog function that will release an alarm as soon as the communication between the PC and the Alarm Interface breaks down.

Watchdog



5.5.1 Alarm Interface Scheduler

\wedge	AVAILABLE FROM FIRMWARE VERSION 1.7 OR
	HIGHER

6 Options			X
Basic Settings Notification Settings Acknowledgement Repeat Notification Alarm Interface 1 Scheduler Alarm Interface 2 E-Mail Settings Alarm E-Mail Warning E-Mail SMS Settings Alarm SMS Warning SMS Warning SMS Alarm Printer Alarm Protocol Group Protocol Group Protocol Logger Protocol Autosave as MDF Scheduler Communication Timeouts	Scheduler Define the behavior over time f Channel libe activated after afterwards by configuring the s Channel 1 Start delay: Switch on time: Switch off time: Channel 2 Start delay: Switch on time: Switch off time:	or the two channels of the Alarm he delay time specified and can witch on/switch off time accordin 1 0 0 1 1 0	Interface. The be pulsed and a second
		OK Cancel	Help

Start delay	Delay time between the registration of an alarm by elproLOG MONITOR and the activation of the alarm interface.
Switch on time Switch off time	Change over switch function during the period of an alarm

For details about the delay times 8.2 *Time Responds* - *Alarm Sequence*





5.6 E-Mail Settings

🗟 Options		X
Basic Settings Notification Settings Acknowledgement Repeat Notification Alarm Interface 1 Alarm Interface 2 E-Mail Settings Alarm E-Mail Warning E-Mail SMS Settings Alarm SMS Warning SMS Keep Alive SMS Alarm Printer Alarm Protocol Group Protocol Logger Protocol Logger Protocol Autosave as MDF Scheduler Communication Timeouts	E-Mail Settings Mailserver settings to send Alarm E-Mail. Ask your IT Administrator for correct configuration settings. Mailserver (SMTP) Server Address (Host or IP) Port 25 Server requires authentication User Password Login using Secure Password Authentication Sender Name E-Mail	
	OK Cancel Help	

IF THESE INFORMATION ARE INCORRECT, THE ALARM E-MAILS WILL NOT REACH THEIR RECIPIENTS!

5.6.1 Alarm E-Mail

6 Options	
Basic Settings Notification Settings Acknowledgement Repeat Notification Alarm Sound Alarm Interface 1 Scheduler Alarm Interface 2 E-Mail Settings Alarm E-Mail SMS Settings Alarm E-Mail SMS Settings Alarm SMS Keep Alive SMS Alarm Protocol Group Protocol Logger Protocol Autosave as MDF Scheduler Communication Timeouts	Alarm E-Mail Specify E-Mail addressee and text that will be sent if a alarm occurs. Multiple E-Mail addressee may be separated by semicolons. In the "Subject" and "Additional Warningtext" fields your may use placeholders for detailed alarm information (see documentation). Make sure that the "Mailserver Settings" are Image: Comparison of the second sec
	OK Cancel Help



Enable Alarm E-Mail	This check box activates the E-Mail forwarding feature
Subject, TO, CC	These are common used information for addressing an E- Mail. All information needed to identify a troubled measurement is
Text / Button: Edit	This block contains information like: process information, responsibilities and instructions and will be added to each alarm E-Mail.

6. Alarm Text Editor

5.6.2 Warning E-Mail

Group Protocol Logger Protocol Autosave as MDF Scheduler Communication Timeouts Text Message Reason: %Reason% SensorNumber% %SensorName% Value: %SensorValue% %SensorUnit% Edit Send Testmail	Basic Settings Notification Settings Acknowledgement Repeat Notification Alarm Interface 1 Alarm Interface 2 E-Mail Settings Alarm E-Mail Warning E-Mail SMS Settings Alarm SMS Warning SMS Keep Alive SMS Alarm Printer Alarm Frotocol	Warning E-Mail Specify E-Mail addressee and text that will be sent if a warning occurs. Multiple E-Mail addresses may be separated by semicolons. In the "Subject" and "Addritional Warningtest" fields your may use placeholders for detailed alarm information (see documentation). Make sure that the "Mailserver Settings" are Image: Subject in the Subject in t
	Group Protocol Logger Protocol Autosave as MDF — Scheduler Communication Timeouts	CC: E-Mail Address(es) Text Message Reason: %Reason% Sensor: %SensorNumber% %SensorName% Value: %SensorValue% %SensorUnit% Edit Send Testmail

Enable Warning E-If this check box is activated, the settings from the alarm E-MailMail are used for the warning E-Mail.

Subject, TO, CC These are common used information for addressing an E-Mail.

All information needed to identify a troubled measurement is automatically enclosed in the E-Mail

Text / Button: EditThis block contains information like: process information,
responsibilities and instructions and will be added to each
warning E-Mail.

6. Alarm Text Editor



5.6.3 Example: GMX Account for Test Purpose

Server Address (Host or IP)	mail.gmx.com
Server requires authentication	select check box
User	Your_Address@gmx.com
Password	Your GMX password
Application Name	Any sender name
E-Mail	Your_Address@gmx.com

5.6.4 E-Mail Example

Message Reason: Alarm limit exceeded Sensor: S2 Production A, Humidity Shelf 1 Value: 57.05 %rF Time: 01.09.2008 09:10:09 Logger: Production A, Shelf 1 (12358) Group: Store 1 Sensors: S1: Production A, Temperature Shelf 1 Value: 40.43 °CState: OKS2: Production A, Humidity Shelf 1 Value: 57.05 %rFState: Alarm S3: Value: State: Disabled Value:State:DisabledValue:State:DisabledValue:State:Disabled S4: S5: S6: Value: State: Disabled Value: State: Disabled S7: S8: Digital Inputs: D1: Door open switch Value: C open State: OK D2: Value: 0 State: Disabled



5.7 SMS Settings

5 Options		
Basic Settings Notification Settings Acknowledgement Repeat Notification Alarm Sound Alarm Interface 1 — Scheduler Alarm Interface 2 E-Mail Settings — Alarm E-Mail — Warning E-Mail — SMS Settings — Alarm SMS — Warning SMS — Keep Alive SMS Alarm Printer Alarm Protocol Group Protocol Logger Protocol Logger Protocol Autosave as MDF — Scheduler Communication Timeouts	SMS Settings Settings for optional SMS Modem (first. To verify the connection to the check Signal Strength. Modem Settings COM Port: Baud rate (Default 57600): SIM Card PIN Code Signal Strength Value: 62	Part No. 2356-A). Install SMS Modem driver e SMS Modem click the "Update" button and 23 57600 V Set X Update
		OK Cancel Help



5.7.1 Alarm SMS

6 Options	X
Basic Settings Notification Settings Acknowledgement Repeat Notification Alarm Sound Alarm Interface 1 Scheduler Alarm Interface 2 E-Mail Settings Alarm E-Mail Warning E-Mail SMS Settings Maring SMS Keep Alive SMS Alarm Printer Alarm Protocol Group Protocol Logger Protocol Autosave as MDF Scheduler Communication Timeouts	Alarm SMS Specify Cell Numbers and text that will be sent if an alarm occurs. Multiple cell numbers may be separated by semicolons. Make sure that the "SMS Settings" are configured too. Use "Send Test SMS" button to check configuration.
	OK Cancel Help



This check box activates this SMS feature

This block contains information like: process information, responsibilities and instructions and will be added to each alarm SMS.

6. Alarm Text Editor

5.7.2 Warning SMS



If this check box is activated, the settings from the alarm SMS are used for the warning SMS.

This block contains information like: process information, responsibilities and instructions and will be added to each warning SMS.

Use Alarm SMS Settings

Text / Button: Edit



6. Alarm Text Editor

Enable Alarm SMS

Text / Button: Edit



Important for prepaid SIM card 5.7.3

Some providers are going to lock the mobile abo, if it is not used for a certain period of time. This function is used to send a repeated SMS which avoids the locking of the mobile abo.

Keep Alive SMS

o Options	
Basic Settings Notification Settings Acknowledgement Repeat Notification Alarm Interface 1 Scheduler Alarm Interface 2 E-Mail Settings Alarm E-Mail Warning E-Mail SMS Settings Alarm SMS Warning SMS Keep Alive SMS Alarm Protocol Group Protocol Logger Protocol Logger Protocol Autosave as MDF Scheduler Communication Timeouts	Keep Alive SMS Specify Cell Numbers and text that will be sent for a keep alive SMS, Multiple cell numbers may be separated by semicolons. Make sure that the "SMS Settings" are configured too. Use "Send Test SMS" button to check configuration. Image: The configure co
	OK Cancel Help

Enable Keep Alive SMS

This check box activates this SMS feature

Maximal Time between SMS

Text / Button: Edit

Delay time between the keep alive SMS

This block contains information like: process information, responsibilities and instructions and will be added to each "Keep Alive SMS".

6. Alarm Text Editor



5.8 Alarm Printer



This check box activates the alarm printer function. Each alarm event is going to lead to a print out on the selected printer. **Enable Alarm Printer**

This block contains information like: process information, responsibilities and instructions and will be added to each alarm printout.

Text / Button: Edit

6. Alarm Text Editor

GDI Win Printer eg: Canon S520 does not work as an alarm printer!

5.9 Alarm Protocol

C Options Basic Settings Notification Settings Acknowledgement Repeat Notification Alarm Sound Alarm Sound Alarm Interface 1 Scheduler Alarm Interface 2 E-Mail Settings Alarm E-Mail Warning E-Mail SMS Settings Alarm SMS Keep Alive SMS Alarm Printer Alarm Protocol Group Protocol Logger Protocol Logger Protocol Autosave as MDF Scheduler Communication Timeouts	Alarm Protocol Use the Alarm Protocol to record every alarm event. Select path and filename to save the protocol file. Enable Alarm Protocol Path
	OK Cancel Help

Path & File NameLocation where all the alarm protocols (csv-files; plain text)
will be kept.

5.9.1	Alarm	Protocol	Structure
-------	-------	----------	-----------

	Column	Title	Note
m	1	PC time	Reason for alarm
Ala	2	Logger time	
	3	Alarm Info	
	4	Logger group	
	5	Logger name	
	6	Logger id	
	7	Sensor no	This entry refers to the sensor number of the logger
	8	Sensor name	Name of the alarm releasing sensor

EIPRC



sor	9	S1-Name			
Sen	10	S1-Value			
	11	S1-Unit			
	12	S1-Status	0	ok	
			1	Senso (in elp	or deactivated proLOG CONFIG)
			2	Warni	ing
			3	Warni	ing confirmed
			4	Alarm	
			5	Alarm	confirmed
			6	u.f./o. ⁻	f./n.c.
			7	u.f./o. ⁻	f./n.c. confirmed
				u.f.	Value under stepping measurement range
				o.f.	Value over stepping measurement range
				n.c.	Sensor not connected / wire brake
	13 - 40	Corresponds to the above information for sensor 2 - 8			



put	41	D1-Name		Name of digital input 1
gital in	42	D1-Value	0 / 1	Current state of D1 (see alarm protocol for more details)
Dić	43	D1-Text value		Describes the state of D1
	44	D1-Status	0	ok
			1	Digital input deactivated (in elproLOG CONFIG)
			2	
			3	
			4	Alarm
			5	Alarm confirmed
	45 - 48	Corresponds to the above info	n for digital input D2	
ion	49	User name		For alarm confirmation
mat	50	Host name		
nfor	51	Comment title 1		For alarm confirmation
lge I	52	Comment text 1		
Acknowlec	53 - 56	Corresponds to the above information for digital input D2		

Not an alert option



5.10 Group Protocol

A group protocol is a text file (csv-file; plain text) with the content of the last scan. All alarm monitor information is stored.



Location where the group protocols will be kept.

Path & File Name

5.10.1 Group Protocol Structure

Column	Title		Note
1	Logger id		
2	Logger name		
3	PC time		
4	Logger time		
5	Logger state	0	Communication ok
		1	Data logger deactivated (in elproLOG CONFIG)
		4	No connection
		5	No connection confirmed
6	S1-Name		



7	S1-Value			
8	S1-Unit			
9	S1-Status	0	ok	
		1	Sense (in elp	or deactivated proLOG CONFIG)
		2	Warn	ing
		3	Warn	ing confirmed
		4	Alarm	1
		5	Alarm	n confirmed
		6	u.f./o	.f./n.c.
		7	u.f./o	.f./n.c. confirmed
			u.f.	Value under stepping measurement range
			o.f.	Value over stepping measurement range
			n.c.	Sensor not connected / wire brake
10 - 37	Corresponds to the above information		n for s	ensor 2 - 8
38	D1-Name		Name of digital input 1	
39	D1-Value	0 / 1	Curre proto	ent state of D1 (see alarm col for more details)
40	D1-Text value		Desc	ribes the state of D1
41	D1-Status	0	ok	
		1	Digita elprol	l input deactivated (in LOG CONFIG)
		2		
		3		
		4	Alarm	1
		5	Alarm	n confirmed
42 - 45	Corresponds to the above information for digital input D2			



5.11 Logger Protocol

A logger protocol is a text file (csv-file; plain text) with the content of the last scan. Each logger in the selected group gets its own logger protocol.

Not an alert option

🕏 Options	
Basic Settings Notification Settings Acknowledgement Repeat Notification Alarm Interface 1 	Logger Protocol Stores a specified number of measurement values from each datalogger. Select path to save the protocol file. The filename of the file(s) created automatically will overspond to the logger ID.
	OK Cancel Help

This entry determines the number of measurement cycles kept in the logger protocol file.

Number of cycles stored

Path & File Name

Location where the logger protocols will be kept.

5.11.1 Logger Protocol Structure

Column	Title	Note
1	Logger id	
2	Logger name	Ť
3	PC time	Ť
4	Logger time	

elproLOG MONITOR SM3002Ea



5	Logger state	0	Comm	nunication ok
		1	Data lo (in elp	ogger deactivated roLOG CONFIG)
		4	No co	nnection
		5	No co	nnection confirmed
6	S1-Name			
7	S1-Value			
8	S1-Unit			
9	S1-Status	0	ok	
		1	Senso (in elp	or deactivated roLOG CONFIG)
		2	Warnii	ng
		3	Warni	ng confirmed
		4	Alarm	
		5	Alarm	confirmed
		6	u.f./o.f	./n.c.
		7	u.f./o.f	./n.c. confirmed
			u.f.	Value under stepping measurement range
			o.f.	Value over stepping measurement range
			n.c.	Sensor not connected / wire brake
10 - 37	Corresponds to the above info	ormatio	on for sensor 2 - 8	
38	D1-Name		Name	of digital input 1
39	D1-Value	0 / 1	Currer protoc	nt state of D1 (see alarm col for more details)
40	D1-Text value		Describes the state of D1	



41	11 D1-Status		ok
		1	Digital input deactivated (in elproLOG CONFIG)
		4	Alarm
		5	Alarm confirmed
42 - 45	Corresponds to the above information for digital input D2		

5.12 Autosave as MDF

6 Options		×
Basic Settings Notification Settings Acknowledgement Repeat Notification Alarm Sound Alarm Interface 1 Scheduler Alarm Interface 2 E-Mail Settings Alarm E-Mail Warning E-Mail SMS Settings Alarm SMS Alarm SMS Keep Alive SMS Alarm Printer Alarm Protocol Group Protocol Logger Protocol Autosave as MDF Scheduler Communication Timeouts	Autosave as MDF With the Autosave function, the data stored in the datalogger will be stored periodically for archiving and later evaluation. The generated MDF file can be opened with the elproLDG ANALYZE / eproLDG ANALYZE QLS application. Image: the autosave element of the datalogger will be stored to the stored opened with the elproLDG ANALYZE / eproLDG ANALYZE QLS application. Image: the autosave element of the autosave element of the autosave element of the autosave opened with the stored in the stored opened with the elproLDG and LYZE / eproLDG ANALYZE QLS application. Image: the autosave element of the autosave opened with the element opened at the autosave at the autosave file opened at the autosave for each logger Retries if Autosave failed Image: the autosave file opened at the autosave failed	
	OK Cancel Help	

This check box activates the autosave function.

Enable Autosave

This is the place where the autosave files will be kept.

Path

THE ALARM RELEASED BY A FAILED AUTOSAVE, WILL BE REGISTERED IN THE ALARM PROTOCOL AND PRINTED OUT!



5.12.1 Autosave Scheduler

6 Options	
Basic Settings Notification Settings Acknowledgement Repeat Notification Alarm Sound Alarm Interface 1 Scheduler Alarm Interface 2 E-Mail Settings Alarm E-Mail Warning E-Mail SMS Settings Alarm SMS Keep Alive SMS Alarm Printer Alarm Protocol Group Protocol Logger Protocol Logger Protocol Autosave as MDF Scheduler Communication Timeouts	Scheduler Select date/time and the recurrence pattern for autosaving the data stored in the datalogger. Additionally, select the range of data to be read from the datalogger. Autosave scheduling Start: Mittwoch , 27. August 2008 23:00:00 Every: 1 months Data readout time range Read entire memory Read selected range 31 days
	OK Cancel Help

Autosave file name definition:

ID-Number - Module Tag - Date - Increasing number The "Autosave" data will be read from the datalogger and stored at the next elproLOG MONITOR reading cycle.

ELPRC

5.13 Communication Timeouts

- These settings are used to match your hardware infrastructure with the datalogger and software requirements.
- These values should not be changed under normal conditions.
- If one has got communication problems, change all timeout parameters by the same factor.

6 Options				
Options Basic Settings Notification Settings Acknowledgement Repeat Notification Alarm Sound Alarm Interface 1 Scheduler Alarm Interface 2 E-Mail Settings _Alarm E-Mail Warning E-Mail SMS Settings _Alarm SMS _Warning SMS Keep Alive SMS Alarm Printer Alarm Protocol Group Protocol Logger Protocol Autosave as MDF	Communication Special settings to solv type. Timeouts RS 232 First to Char: Char to Char: Total: Timeouts TCPIP First to Char: Char to Char: Char to Char: Char to Char: Char to Char:	Filmeouts /// communication production 600 4 800 50 800	oblems depending on used interface ms ms ms ms ms ms	
Communication Timeouts			Default V	/alues
		ОК	Cancel Help	



6. Alarm Text Editor

Allows you to setup the contend of your text messages. For further details see the window related comment.

Editor	
With the integrated editor you can custom or drag and drop. Use tabulators to format that not all characters are printable or usal	ze the text of the alarm and warning messages. The placeholders at the left side can be inserted to the text by double click A the text according your needs. With the "Default Text" button you can restore to the factory default text. Please consider sle in SMS messages.
	Message Reason: %Reason% Sensor: %SensorNumber% %SensorName% Value: %SensorValue% %SensorUnit% Time: %PcTime% Logger: %LoggerName% (%LoggerId%) Group: %Group% Sensors: S1: %S1Name% Value: %S1Value% %S1Unit% State: %S1StateText% S2: %S2Name% Value: %S2Value% %S2Unit% State: %S2StateText% S3: %S3Name% Value: %S2Value% %S3Unit% State: %S2StateText%
Alarming Sensor Number Alarming Sensor Name Alarming Sensor Value Alarming Sensor Unit Sensor 1 Sensor 1 Name	S3: *S3Name* Value: *S3Value* *S3Unit* State: *S3StateText* S4: *S4Name* Value: *S4Value* *S4Unit* State: *S4StateText* S5: *S5Name* Value: *S5Value* *S5Unit* State: *S5StateText* S6: *S6Name* Value: *S6Value* *S6Unit* State: *S5StateText* S7: *S7Name* Value: *S7Value* *S6Unit* State: *S6StateText* S8: *S7Name* Value: *S7Value* *S7Unit* State: *S7StateText* S8: *S8Name* Value: *S7Value* *S8Unit* State: *S7StateText* Digital Inputs: D1: *D1Name* Value: *D1Value* *D1ValueText* State: *
 Sensor 1 Value Sensor 1 Unit Sensor 1 State Sensor 1 State Text 	D1StateText% D2: %D2Name% Value: %D2Value% %D2ValueText% State: % D2StateText% Responsible: Mr. Andreas Gubler
 Image: Sensor 2 Image: Sensor 3 Image: Sensor 4 Image: Sensor 5 Image: Sensor 6 Image: Sensor 7 Image: Sensor 8 Image: Digital Input 1 Image: Digital Input 2 	Instruction see SOP: A500-300, Revison 2.5
Clear Text Default Text	OK Cancel



7. Data Representation

The following 2 data representation modes are possible on the elproLOG MONITOR main screen

Sensor based representation

🕫 elproluo wukituk - Loroup Store 1) 🧧 🗆 🔽										
5 File Group Tools Window Help	File Group Tools Window Help _ &									
🗋 🔁 🚳 🕼 🖉 🚯 👰 💷 Show Alarm Window										
Sensor name	Sensor no	Sensor value	Sensor unit	Logger name	Logger id					
Door open switch	D1	0	open	Production A, Shelf 1	12358					
Production A, Humidity Shelf 1	S2	52.59	%rF	Production A, Shelf 1	12358					
Production A, Inlet Humidity	S2	47.5	%	Air Inlet	557428					
Production A, Inlet Temperature	S1	26.6	°C	Air Inlet	557428					
Production A, Temperature Level 4	S2	23.4	°C	Production A, Shelf 2						
Production A, Temperature Level 8	S1	21.9	°C	Production A, Shelf 2	7678					
Production A, Temperature Shelf 1	S1	41.87	°C	Production A, Shelf 1	12358					
Remaining time: 00:00:49 Cycle time: 00:01:00	Waiting	Walting								
👌 Next autosave: 02.09.2008 14:00	Next autosave: 02.09.2008 14:00									

Logger based representation

6	6 elproLOG MONITOR - [Group Store 1]										
6	File Group Tools Window Help										_ 8 ×
	🗋 📁 🚳 🕼 🦉 🖏 🎑 🔍 🕱 Show Alarm Window										
Γ	Logger S1 S2 S3 S4 S5 S6 S7 S8 D1										D2
		Production A, I	Production A, I								
Þ	Air Inlet	26.8	46.3								
	ID: 557428	°C	%								
		Production A.	Production A.							Door open switch	
	Production A, Shelf 1	41.91	52.22							0	
	ID: 12358	°C	%rF							open	
		Production A.	Production A, T								
	Production A, Shelf 2	21.8	23.4								
	ID: 7678	°C	°C								
Re	maining time: 00:00:26 C	Cycle time: 00:01:00	N	Vaiting							
8	Next autosave: 02.09.2008 14:00										

Cycle time	Time between two scans					
Remaining time	Time left till the next scan					
Next autosave	Date and time till the next autosave					



8. Alarm / Warning

By the flashing icon: "Show Alarm Window", and the alarm window (pop-up) an alarm makes attentive. The background color in the corresponding field / row is going to change:

- If a limit value is violated
- The alarm state on one of the digital inputs (D1 / D2) is indicated
- A malfunction is detected

Sensor based representation

6 elproLOG MONITOR - [Group Store 1]									
ି, File Group Tools Window Help _ ଟ × 🗋 🏳 🔄 🗞 🖉 🖓 🗐 🖓 🔀 Show Alam Window									
Sensor name	Sensor no	Sensor value	Sensor unit	Logger name	Logger id				
Production A, Humidity Shelf 1	S2	55.28	%rF	Production A, Shelf 1	12358				
Production A, Inlet Temperature	S1	25.4	°C	Air Inlet	557428				
Door open switch	D1	0	open	Production A, Shelf 1	12358				
Humidity	S2			Monitoring Logger	5150				
Production A, Inlet Humidity	S2	50.5	%	Air Inlet	557428				
Production A, Temperature Level	S2	24.0	°C	Production A, Shelf 2	7678				
Production A, Temperature Shelf 1	S1	41.02	°C	Production A, Shelf 1	12358				
Temperatur	S1			Monitoring Logger	5150				
Production A, Temperature Level	S1	22.4	°C	Production A, Shelf 2	7678				
Remaining time: 00:00:04 Cycle time: 00:01:00	Waiting								
Next autosave: 01.09.2008 14:00									

Logger based representation

6	elproLOG MONITOR - [Group St	tore 1]										
હ	s File Group Tools Window Help 🗗 🗧											
C) 📁 🗟 🔕 📴 🗛 🕘 👀 🦻	Show Alarm Window										
	Logger	S1	S2	S3	S4	S5	S6	S7	S8	D1	D2 🔼	
		Production A, Temperature Shelf 1	Production A, Humidity Shelf 1							Door open s		
	Production A, Shelf 1	40.86	56.24							0		
	ID: 12358	D°	%tF							open	=	
		Production A, Inlet Temperature	Production A, Inlet Humidity									
	Air Inlet	25.4	51.2									
	ID: 557428	°C	%									
•	Monitoring Logger											
	ID: 5150											
		Production A, Temperature Level	Production A, Temperature Le									
	Production A, Shelf 2	21.5	23.1									
	ID: 7678	°C	°C								×	
L	<										>	
Re	emaining time: 0	Dycle time: 00:01:00	Monitoring Logger: Connecting									
E	Next autosave: 01.09.2008 14:00										.;	

Background Colors

white	normal
red	Alarm: value corresponds to the logger alarm parameters
orange	Warning: value corresponds to settings in elproLOG CONFIG



Background Colors

yellow	 Malfunction of a sensor Communication Problem 9. Error Messages
gray	 with measurement values, sensor is disabled in elproLOG CONFIG no measurement values, no valid data available

- Alarm

Acoustic Alarm

- Malfunction of a sensor
- Communication Problem

triggers an acoustic alarm until they are acknowledged

5.4 Alarm Sound.

If the program is visible as symbol in the task border only, nevertheless the alarm window becomes visible on screen.

elproLOG MONITOR as symbol

8.1 Alarm Window

	elproLOG MONITOR Alarm										
	Date/Time PC	Date/Time Logger	Alarm Info	Logger Group	Logger Name	Logger ID	Sensor Name	S#	Date/Time Acknowledge	Acknowledged by	Acknowledgement
1	01.09.2008 11:56	01.09.2008 11:21	Warning limit exceede	Store 1	Air Inlet	557428	Production A, Inlet Temperature	S1			Acknowledge
2	01.09.2008 11:57		No connection to logg	Store 1	Monitoring Logger						Acknowledge
3	01.09.2008 13:47	01.09.2008 12:55	Alarm limit exceeded	Store 1	Production A, Shelf 1	12358	Production A, Temperature Shelt	S1			Acknowledge
4	01.09.2008 13:47	01.09.2008 12:55	Alarm limit exceeded	Store 1	Production A, Shelf 1	12358	Production A, Temperature Shelf	S1	01.09.2008 13:47	agubler	
5	01.09.2008 13:53	01.09.2008 13:01	Alarm limit exceeded	Store 1	Production A, Shelf 1	12358	Production A, Temperature Shelf	S1			Acknowledge
6	01.09.2008 13:54	01.09.2008 12:59	Alarm limit exceeded	Store 1	Production A, Shelf 1	12358	Production A, Temperature Shelf	S1			Acknowledge

- 1. Warning
- 2. e.g. communication error
- 3. Alarm
- *4.* Row-wise alarm acknowledge 8.1.1 Notes About the Alarm Reason
- 5. Alarm
- **6.** Alarm Value back to normal This line will be removed from the list, after the alarm has been acknowledged



NOT ACTIVATED ALARM CONDITIONS IN ACCORDANCE WITH CHAPTER 5.1 NOTIFICATION SETTINGS, ARE NOT REPRESENTED IN THE "ALARM WINDOW", AND NO ALARM WILL BE RELEASED.

AFTER A RESTART OF ELPROLOG MONITOR, ALL ALARMS ARE ACTIVE AGAIN!

8.1.1 Notes About the Alarm Reason

This window appears after an alarm has been confirmed, if it was activated in accordance with chapter 5.2 *Acknowledgement*.

Alarm Acknowledgement
Acknowledge Comment
Details
Action
OK Cancel

After an acknowledgement "Date/Time Acknowledged" and "Acknowledged by" are registered in the alarm window and the alarm protocol.

Acknowledged messages are represented in the alarm window (background color: white) till their conditions are set back to normal.



8.2 Time Responds - Alarm Sequence





9. Error Messages

9.1 Sensor Error

elproLOG MONITOR Marm										
×										
Date/Time PC	Date/Time Logger	Alarm Info	Logger Group	Logger Name	Logger ID	Sensor Name	S#	Date/Time Acknowledge	Acknowledged by	Acknowledgement
29.08.2008 11:40	29.08.2008 10:48	Sensor Error	Store 1	Production A, Shelf 1	12358	Production A, Temperature Sh	S1			Acknowledge
29.08.2008 11:40	29.08.2008 10:48	Sensor Error	Store 1	Production A, Shelf 1	12358	Production A, Humidity Shelf 1	S2			Acknowledge
29.08.2008 11:40	29.08.2008 11:04	Sensor Error	Store 1	Air Inlet	557428	Production A, Inlet Temperatur	S1			Acknowledge
29.08.2008 11:40	29.08.2008 11:04	Sensor Error	Store 1	Air Inlet	557428	Production A, Inlet Humidity	\$2			Acknowledge

If a sensor is defective or not connected, the background color of the sensor gets yellow.

U.F	Value under stepping measurement range or sensor wire shorted
O.F.	Value over stepping measurement range / sensor cable break
n.def	Missing or wrong measurement data

9.2 Communication Problem

elproLOG MONITOR - [Group Sto	re 1]									
File Group Tools Window Help										-
🔎 🗟 🌑 🗳 🖉 🔍 🎘	Show Alarm Window									
Logger	S1	S2	S3	S4	S5	S6	S7	S8	D1	D2
	Production A, Inlet Temperat	Production A, Inlet Humidity								
Air Inlet	26.0	49.0							0	0
ID: 557428	°C	*								
	Temperatur	Humidity								
Monitoring Logger	24.8	53.6							0	0
ID: 5150	°C	*								
Production A, Shelf 1										
ID: 12358										
	Production A, Temperature L	Production A, Temperature Lev							0	
Production A, Shelf 2	22.6	24.1							0	0
ID: 7678	°C	°C								
Remaining time: 00:00:46 Cycle time: 00:01:00 Walting										

If a data logger is not connected to LAN or communication is disturbed, the background color of the logger name and id gets yellow and no measurement values are available



9.3 Configuration Messages

Config f	file error 🛛 🔀
♪	Config file has an incompatible version. Please browse to another file.
	ОК

A gcf-file of a former version of elproLOG CONFIG has been tried to open.

Open this gcf-file with the new version of elproLOG CONFIG and convert it into the new format.

No alarn	n condition
	No alarm condition selected. Continue without alarm notification?
	Ja Nein

No alert option

Config file error

No alert options have been selected *Settings*. 5.1 *Notification*

The available protocols (Alarm, Group, Logger) are not recognized as alert options

9.4 Information for Customer Support

If you need assistance from the ELPRO - Customer support, supply us with the following information please:

- Release number of the used software. (The software is delivered on a CD-ROM with the following designation: 3.x.y. The current version number of the software is shown by the ReadMe file.
- Used operating system.
- Designation of the used elproLOG ANALYZE software modules and / or datalogger with which problems arise.
- Do the same problems arise with other elproLOG application and / or datalogger?
- Which were the preceding actions, before problems arose? (accurate description of your datalogger application: time, temperature, shock).
- Exact definition of the error occurred

Select in menu "Help" the menu item "Info" for the required support details.

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Revision History

Author	Date	Version	Description
A. Gubler	30. 07.2008		1. 1st edition; replaces SM3001Ea; rework for release 3.60
A. Gubler	02.12. 2008	а	small changes (spelling)







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