elproLOG MONITOR-WebAccess

Version 1.0x

EN

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IMPORTANT INFORMATION AND WARNINGS

Reference to related chapter or document

In the interest of our customers, we reserve the right to perform alterations resulting from subsequent technical developments without any particular notice. For this reason, diagrams, descriptions and information concerning the scope of delivery are not binding!

This handbook is valid from elproLOG MONITOR-WebAccess 1.0x onward.

1 Introduction

Version

The software is delivered on a CD-ROM labeled as follows: 1.0x
Refer to the "Read Me file" for the exact version number of the software.

elproLOG MONITOR-WebAccess is used to evaluate currently measured values and states registered by elproLOG MONITOR on any PC with network or internet access.

To simplify the representation of the collected data, it is possible to display all the data points on building plans or photographs of local sites which have been saved for this purpose.

1.1 System requirements

- Webserver
- PC with internet access and browser
- elproLOG MONITOR, Version 3.50 or higher.
- Depending on the hosting type, elproLOG MONITOR-WebUpload may be required

"Administrator" rights are required to make a successful installation.

2 Hosting

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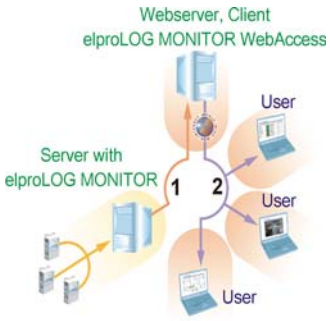
2.1 Customer

The customer uses his/her own Webserver on the internal network

1. *Logged data are transferred over the internal network or via FTP to the Webserver.*
2. *User inquiry of data on the Webserver over any Internet browser.*



Prerequisite

- The scripts required for elproLOG MONITOR-WebAccess are installed on the customer server.
- Data transfer
  - Network
    The logged data are saved to the elproLOG MONITOR folders.
  - FTP
    Utility program elproLOG MONITOR-WebUpload must be installed to enable data transfer via FTP.
    ☞ 3.4 *Configuration - elproLOG MONITOR-WebUpload*
  - Installation file on the CD: \elproLOG MONITOR-WebUpload 1.00.06\Setup\setup.exe

Requirements

- An available server with PHP 5 and FTP access which is used to host elproLOG MONITOR data.
- Administration rights for managing file authorizations and password protection.
- Manual installation of software elproLOG MONITOR-WebAccess, ☞ 3 *Installation & configuration*, (no setup, no Windows program).

KNOWLEDGE OF WEBSERVER MANAGEMENT IS REQUIRED.

The customer uses his/her own external Webserver

1. *Logged data are transferred via FTP with elproLOG MONITOR-WebUpload to the external Webserver.*
2. *User inquiry of data on the Webserver over any Internet browser.*

Prerequisite

- The scripts required for elproLOG MONITOR-WebAccess are installed on the external server.
- Utility program elproLOG MONITOR-WebUpload must be installed to enable data transfer via FTP ☞ 3.4 *Configuration - elproLOG MONITOR-WebUpload*

Requirements

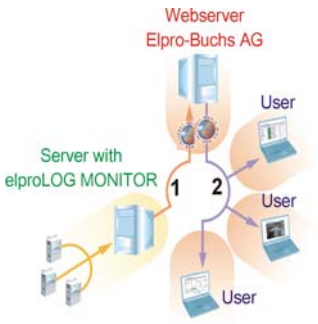
- An available server with PHP 5 and FTP access which is used to host elproLOG MONITOR data.
- Administration rights for managing file authorizations and password protection.
- Manual installation of software elproLOG MONITOR-WebAccess, ☞ 3 *Installation & configuration*, (no setup, no Windows program).

KNOWLEDGE OF WEBSERVER MANAGEMENT IS REQUIRED.

2.2 ELPRO Buchs AG

ELPRO Buchs AG offers data hosting services to its customers.

1. *Logged data are transferred via FTP with elproLOG MONITOR-WebUpload to the ELPRO Buchs AG Webserver.*
2. *User inquiry of data on the Webserver over any Internet browser.*



Prerequisite

- Utility program elproLOG MONITOR-WebUpload must be installed to enable data transfer via FTP. ☞ 3.4 *Configuration - elproLOG MONITOR-WebUpload*

THE CUSTOMER IS NOT REQUIRED TO INSTALL SOFTWARE "ELPROLOG MONITOR-WEBACCESS".

KNOWLEDGE OF WEBSERVER MANAGEMENT IS NOT REQUIRED.

Security

- The Webserver with the customer data is located in a high-security data center in Switzerland.

3 Installation & configuration

3.1 Installation - elproLOG MONITOR-WebAccess

To install elproLOG MONITOR-WebAccess manually, copy all the files from the elproLOG_MONITOR_WebAccess CD into the appropriate data folder on your webserver. On the webserver, index.php should be defined as start file.

3.2 Configuration - elproLOG MONITOR-WebAccess

All the configuration files are located in data folder "config" on the webserver.

The file name of the template file provides the name of the layout orimagerespectively.

You can create any number of template files in the "config" folder. These files are recognized automatically and transferred to the menu.
The easiest way to create a new layout or a new graph is to take one of the provided template files and to modify it to meet your own requirements.

IN THIS CHAPTER, " >>" MAKES REFERENCE TO OTHER CHAPTERS WHICH SHOW GRAPHIC ELEMENTS THAT REQUIRE PARAMETERIZATION.

3.2.1 ApplicationSettings.php General program and path settings

	Comment
// Path to protocol files, relative to installation directory	Information about path to the protocol files All path information is relative to the WebAccess installation directory on the webserver
// start without / end with /	Syntax of file path: Always end the path with /

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$Settings_GroupPath = "data/groups/";	Group protocol
$Settings_LoggerPath = "data/loggers/";	Logger protocol
$Settings_AlarmPath = "data/alarms/";	Alarm protocol
// Main Header, showed top on each page $Settings_ApplicationHeader = "elproLOG MONITOR-WebAccess"; Example: If the template is called "TEST.layout.php", then the elproLOG MONITOR-WebAccess layout is named "TEST".	Title of the elproLOG MONITOR WebAccess pages
// Logo picture, showed top on each page, relative to installation directory $Settings_ApplicationLogo = "config/ElproLogo.gif";	Logo file; top right
// Application language "Deutsch" or "English" $Settings_Language = "Deutsch";	Language
// Screen update interval in minutes $Settings_SreenRefresh = 2;	Interval for data updating
// chart size for single sensor trends	Size and color of single curve graph
$Settings_STrend_SizeX = 800;	Length of x-axis in pixels
$Settings_STrend_SizeY = 600;	Length of y-axis in pixels
$Settings_STrend_Color = "#0000ff";	Color of trend graph (default is blue;#0000ff) >> *Appendix A: curve colors*

// number of values in preview trend in tooltip $Settings_TooltipTrendNo = 50;	Number of measured values used to create the measured value trend graph in the detail window >> 4.2.2 *Detail window*
// number of last values used to determine direction of trend arrow $Settings_ArrowValues = 3;	Number of measured values used to calculate the trend arrow >> 4.2 *Measured values*

3.2.2 Sample.layout.php
Parameter for function: Layouts

Example of a user-defined layout
(excerpt from example file)

	Comment
$Layout_Background = "config/xxx.jpg";	Background image
// Logger ID (layout element number in brackets, starting with 0) $Layout_LoggerID[0] = 1234;	Logger ID
// Sensor number $Layout_SensorNo[0] = 1;	Sensor no.
// x-position in pixel $Layout_XPos[0] = 265;	X-position of sensor in layout
// y-position in pixel $Layout_YPos[0] = 90;	Y-position of sensor in layout

// type (0=indicator only; 1=value preview) $Layout_Type[0] = 1;	Sensor representation: 0 = indicator 1 = info/detail window >> 4.2 *Measured values* The number in the square brackets [ ] must be increased by 1 for each further sensor.

3.2.3 Sample.trend.php
Parameter for function: Trends

Example of a user-defined layout
(excerpt from example file)

	Comment
// Size of trend image in pixel	Size of trend graph >> 4.6 *Trend graphs*
$Trend_SizeX = 1000;	Length of x-axis in pixels
$Trend_SizeY = 700;	Length of y-axis in pixels
// Logger ID (graph number in brackets, starting with 0) $Trend_LoggerID[0] = 1234;	Logger ID
// Sensor number (D1 = Sensor 9, D2 = Sensor 10) $Trend_SensorNo[0] = 1;	Sensor no.
// graph color in hex	Graph color (default is blue) >> *Appendix A: curve colors*

$Trend_Color[0] = "#0000ff";	The number in the square brackets [ ] must be increased by 1 for each further sensor.

These parameters are only required to create a trend graph showing several sensors

3.3 Configuration - elproLOG MONITOR

These data (protocols) are the prerequisites for faultless functioning of elproLOG MONITOR-WebAccess!

The following 3 protocols must be activated in elproLOG MONITOR:

- Group protocol
- Logger protocol
- Alarm protocol

A SEPARATE FOLDER MUST BE CREATED FOR EACH PROTOCOL.

"ELPROLOG MONITOR-WEBACCESS" REQUIRES CONSTANT ACCESS TO THESE PROTOCOL FILES.

Detailed information ☞ Operating Instructions elproLOG MONITOR, SM3001E

3.4 Configuration - elproLOG MONITOR-WebUpload

Installation file on CD:\elproLOG MONITOR-WebUpload 1.00.06\Setup\ setup.exe

After installation, the following parameters can be configured:

- FTP access data
- Local paths for protocol files (as configured in elproLOG MONITOR)
- Paths on the webserver

Detailed information ☞ Operating Instructions elproLOG MONITOR-WebUpload, SM3011E

4 Application

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4.1 Functions

elproLOG MONITOR-WebAccess provides the following functions for evaluating the data:

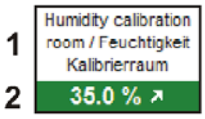
1. *Logger based view*
   All the information is shown in table form with the data-logger name in the first column
2. *Sensor based view*
   All the information is shown in table form with the sensor name in the first column
3. *Layouts*
   Information about the position of the data points
4. *Trends*
   A graphical representation of the measured values
5. *Alarm protocols*
   Information about exceptional events such as threshold violations, sensor errors...

The mouse pointer on the Info window opens the Detail window.

Click on the Info window to open the screen displaying trend graphs for the measured values; 4.6 *Trend graphs*.

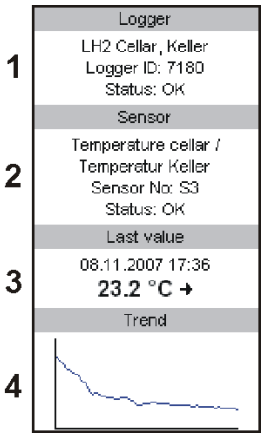
4.2 Measured values

4.2.1 Info window



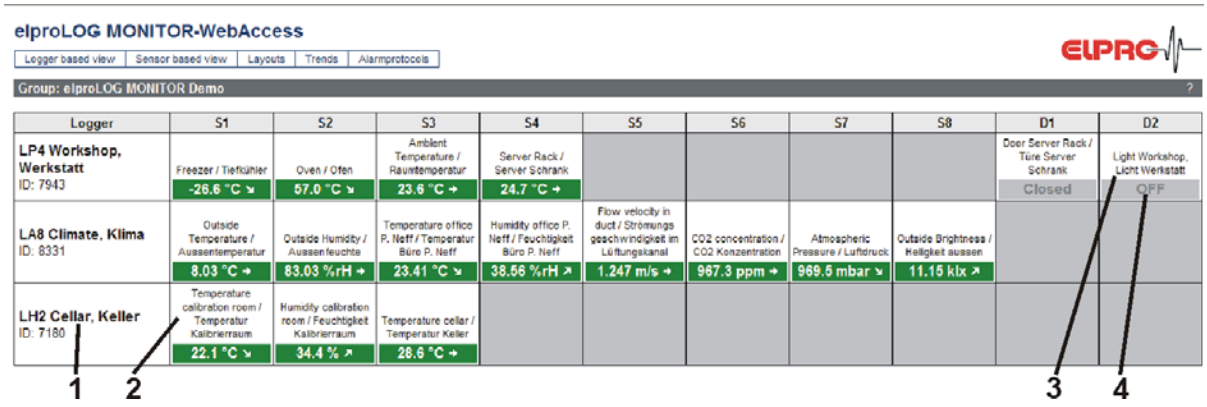
1. *Datalogger name in accordance with definition in elproLOG CONFIG*
2. *Last measured value with trend arrow*

4.2.2 Detail window



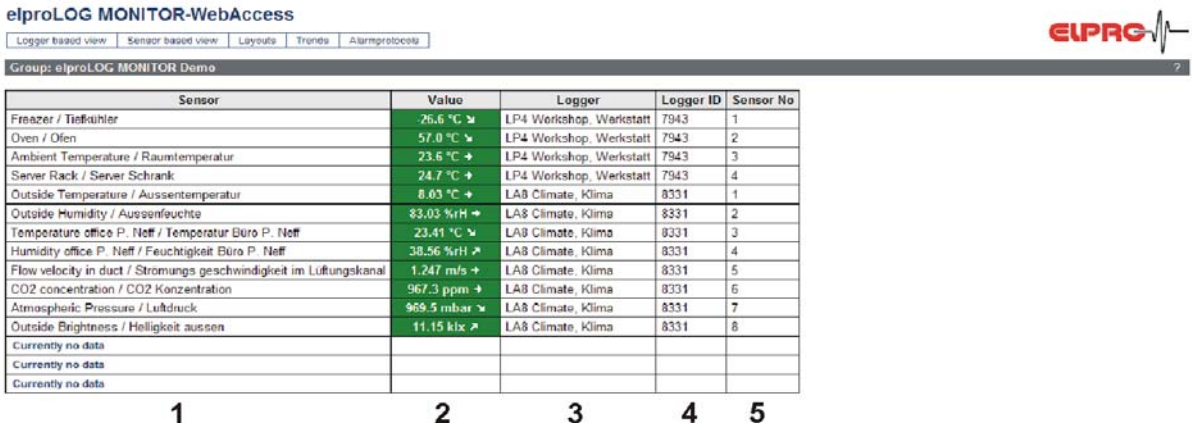
1. *Datalogger name and status in accordance with definitions in elproLOG CONFIG as well as ID number of datalogger*
2. *Sensor name and status in accordance with definitions in elproLOG CONFIG as well as sensor number of datalogger*
3. *Last measured value with date, time and trend arrow*
4. *Trend graph showing measured values*

4.3 Logger based view



1. *Datalogger name in accordance with definitions in elproLOG CONFIG as well as ID number of datalogger*
2. *Info window*
3. *Name of alarm contact in accordance with definition in elproLOG CONFIG*
4. *Status of alarm contact*

4.4 Sensor based view



Sensor	Value	Logger	Logger ID	Sensor No
Freezer / Tiefkühler	-26.6 °C ↘	LP4 Workshop, Werkstatt	7943	1
Oven / Ofen	57.0 °C ↘	LP4 Workshop, Werkstatt	7943	2
Ambient Temperature / Raumtemperatur	23.6 °C →	LP4 Workshop, Werkstatt	7943	3
Server Rack / Server Schrank	24.7 °C →	LP4 Workshop, Werkstatt	7943	4
Outside Temperature / Aussentemperatur	8.03 °C →	LA8 Climate, Klima	8331	1
Outside Humidity / Aussenfeuchte	83.03 %rH →	LA8 Climate, Klima	8331	2
Temperature office P. Neff / Temperatur Büro P. Neff	23.41 °C ↘	LA8 Climate, Klima	8331	3
Humidity office P. Neff / Feuchtigkeit Büro P. Neff	38.56 %rH ↗	LA8 Climate, Klima	8331	4
Flow velocity in duct / Stromungs geschwindigkeit im Lüftungskanal	1.247 m/s →	LA8 Climate, Klima	8331	5
CO2 concentration / CO2 Konzentration	967.3 ppm →	LA8 Climate, Klima	8331	6
Atmospheric Pressure / Luftdruck	969.5 mbar ↘	LA8 Climate, Klima	8331	7
Outside Brightness / Helligkeit aussen	11.15 klx ↗	LA8 Climate, Klima	8331	8
Currently no data				
Currently no data				
Currently no data				

1. *Sensor name in accordance with elproLOG CONFIG*
2. *Measured value*
3. *Data logger name in accord. with elproLOG CONFIG*
4. *ID number of datalogger*
5. *Sensor number of datalogger*

4.5 Layouts

Indicators or Info/Detail windows can be positioned on a layout to show the sensor positions.

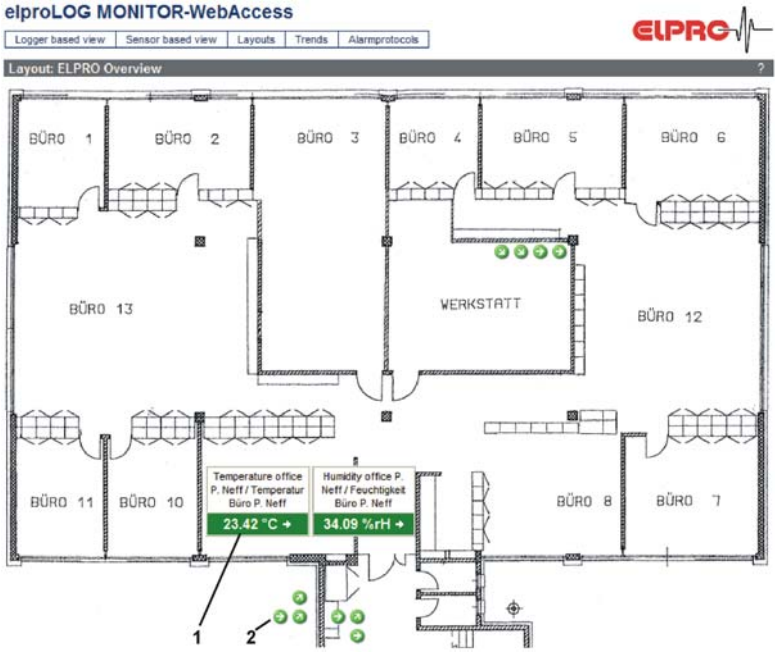
> For the position parameters ☞ 3.2 *Configuration - elproLOG MONITOR-WebAccess*

4.5.1 Indicators

- Everything OK
- Deactivated
- Warning
- Sensor error (nc, uf, of) or communication error
- Alarm
- Alarm acknowledged
- Acknowledged
- Trend arrow

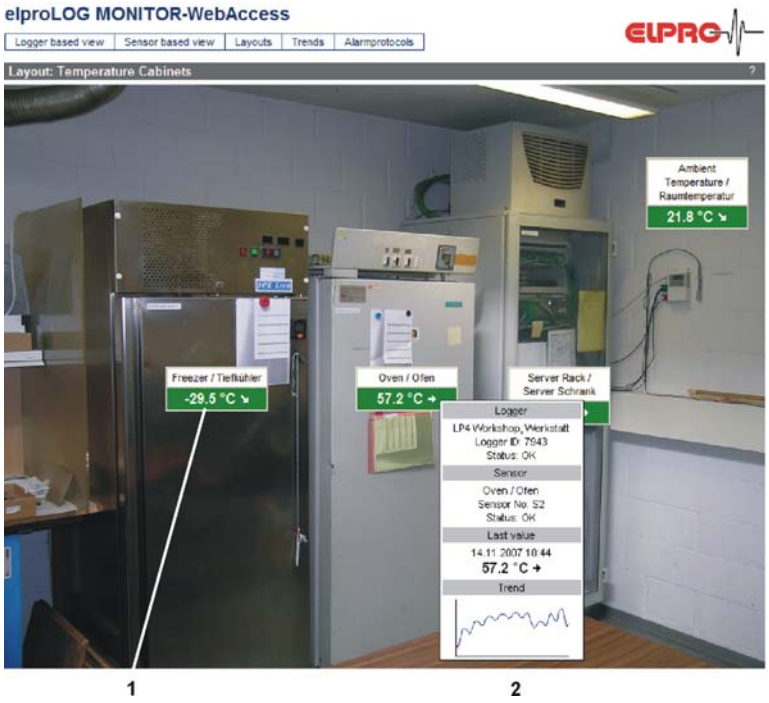
4.5.2 Examples

Layout plan of building with indicators and Info/ Detail windows



1. *Info windows*
2. *Indicators*

Photograph with Info/ Detail windows



1. *Info windows*
2. *Detail window*

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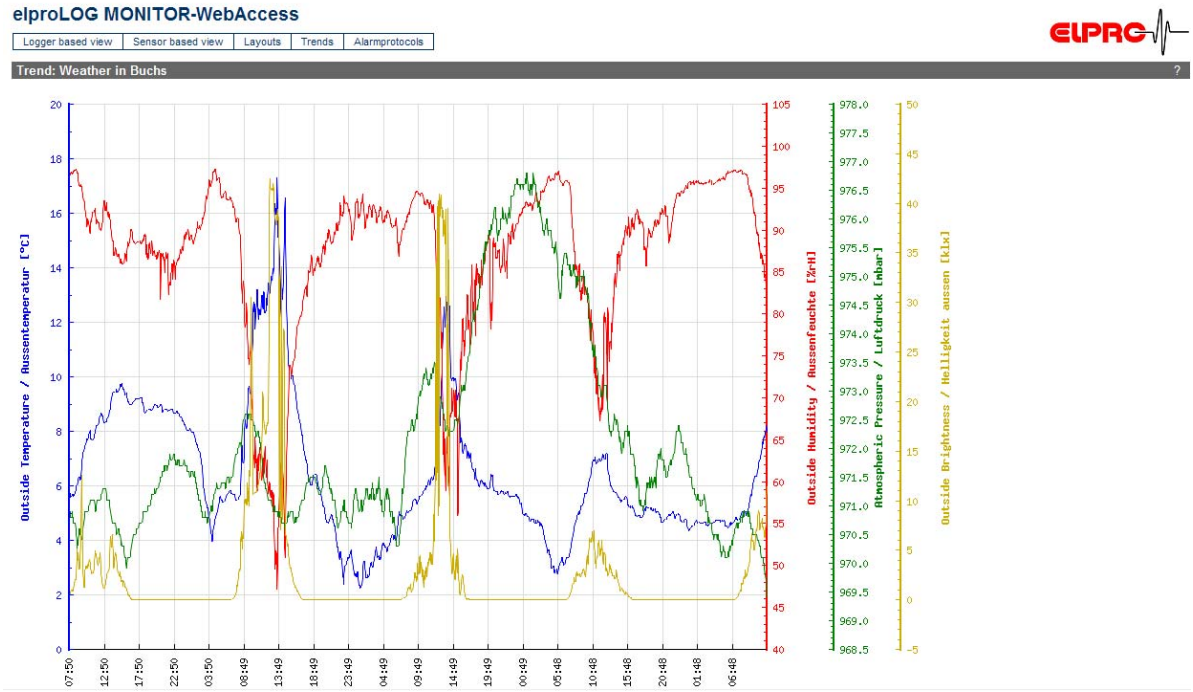
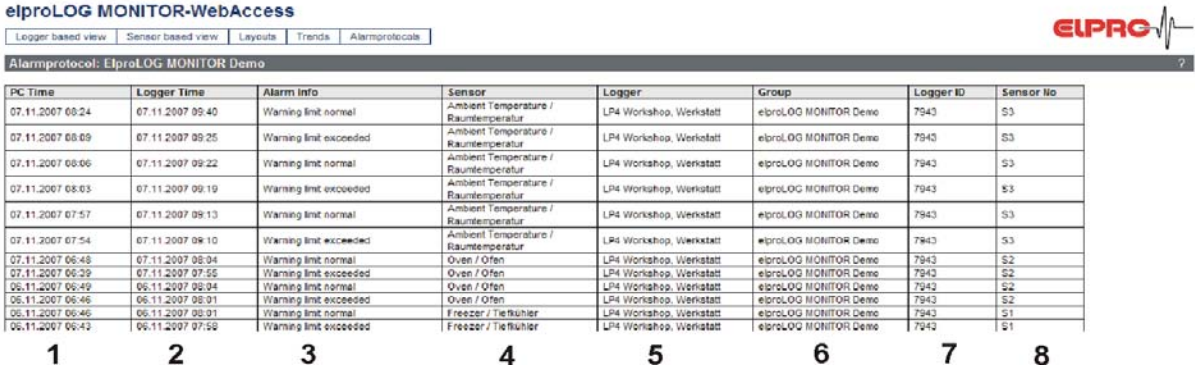
4.6 Trend graphs

Example of a trend graph with several curves



4.7 Alarm protocols



1. *PC time when event occurred*
2. *Datalogger time when event occurred*
3. *Status information in accord. with elproLOG CONFIG*
4. *Sensor name in accordance with elproLOG CONFIG*
5. *Data logger name in accord. with elproLOG CONFIG*
6. *Name of group files in accord.with elproLOG MONITOR*
7. *ID number of datalogger*
8. *Sensor number of datalogger*

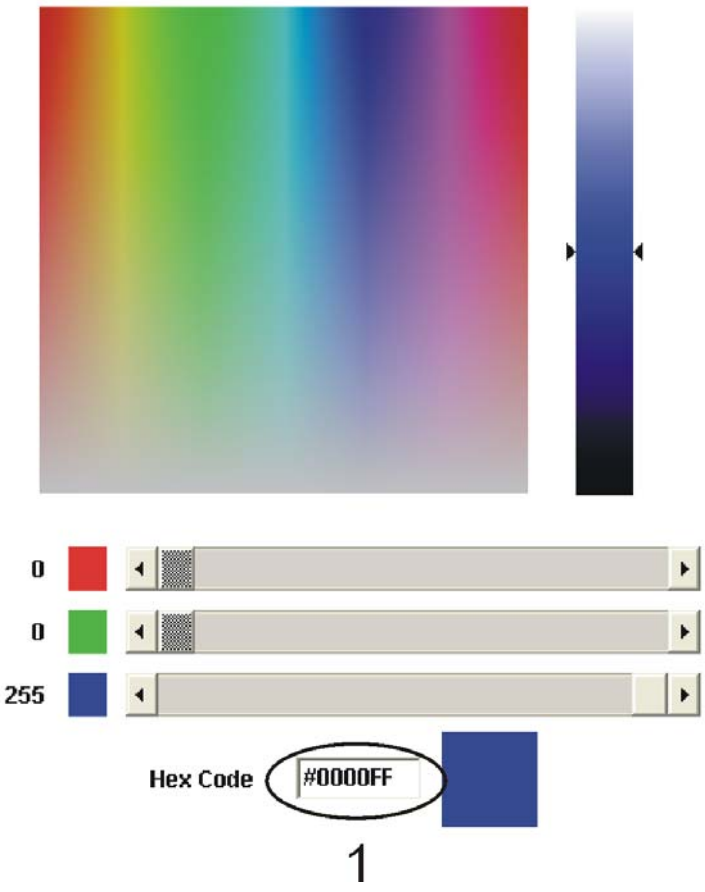
Appendix A: curve colors

Examples of colors
red: bf 00 00
green: 00b100
blue: 0000ff

At the following link,

www.elprolog.com/getcolor.htm

you find the tool shown below which is used for selecting the colors and setting the corresponding codes.



1. *This code is used as curve color*

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Revision history

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