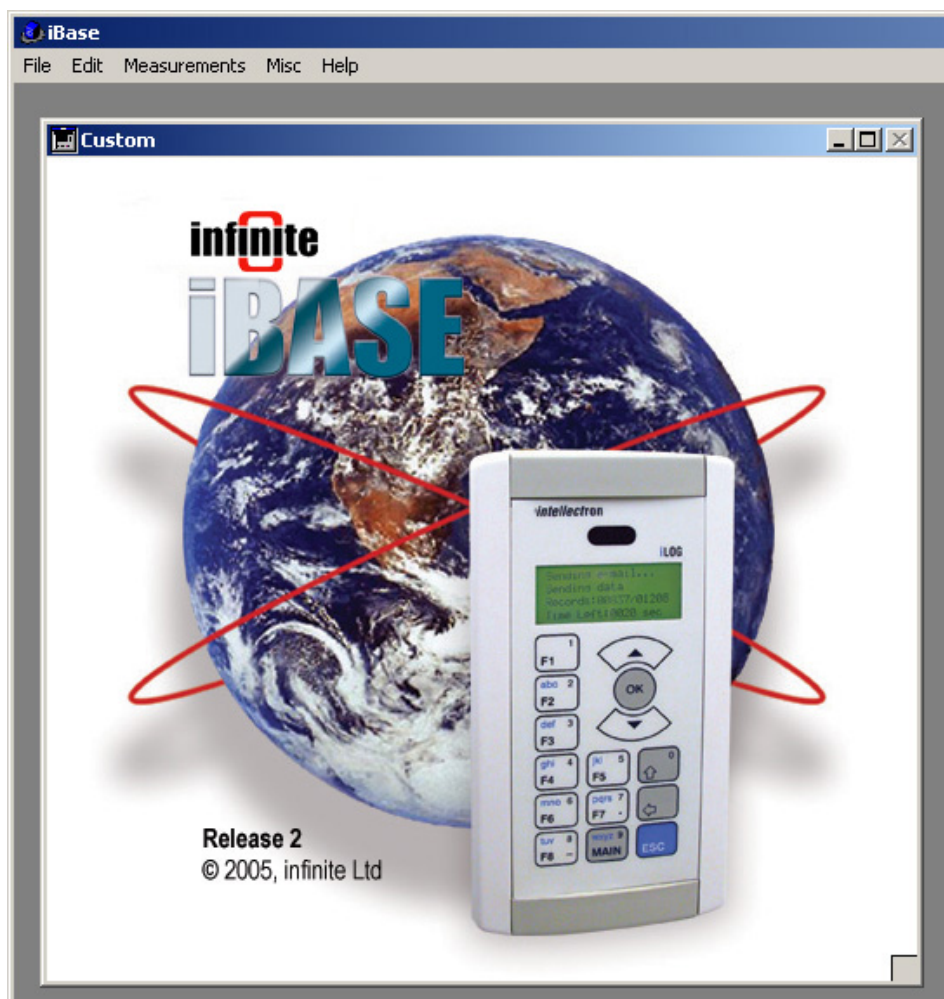


iBASEPlus

Data base application for iLOGPlus RTU/data loggers

User Manual



infinite

Disclaimer

- While every effort has been made to ensure that the information in this guide is accurate and complete, no liability can be accepted for any errors or omissions.
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Version 2, 11/2009

Windows 98, NT, XP, 2000

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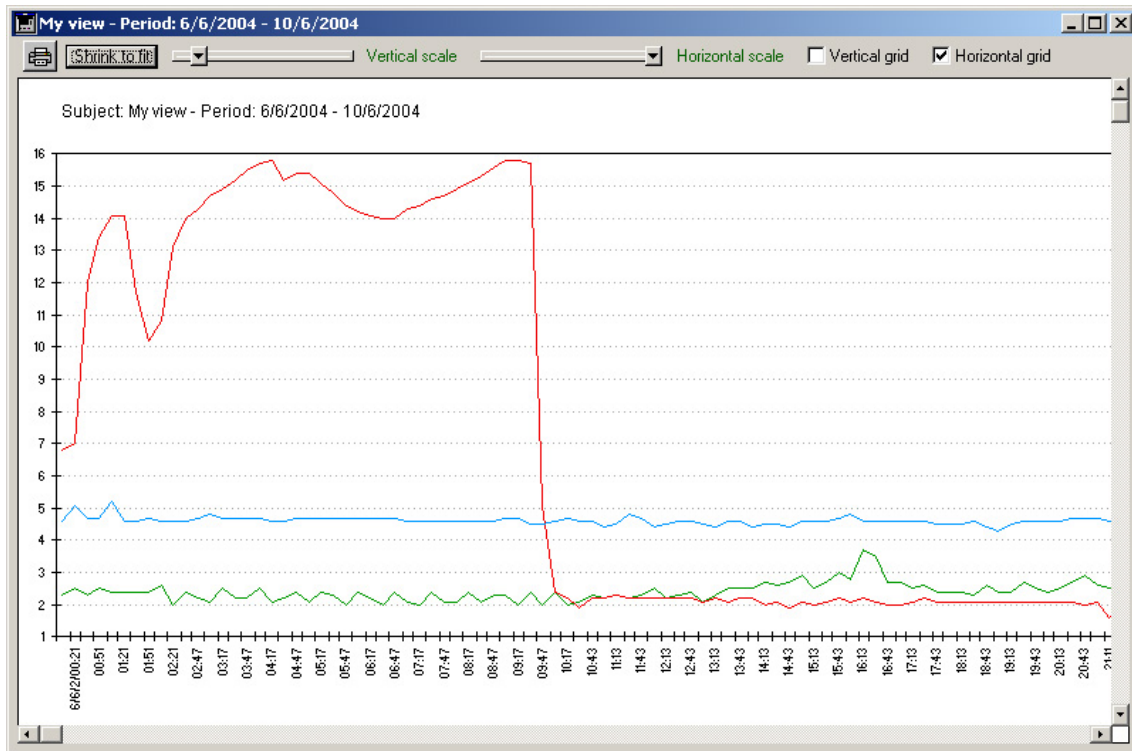
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1. Introduction

Welcome to iBASE, a powerful data acquisition environment for iLOG RTU/data loggers. iBASE is developed with last generation database tools for Windows 98/NT/XP/2000.

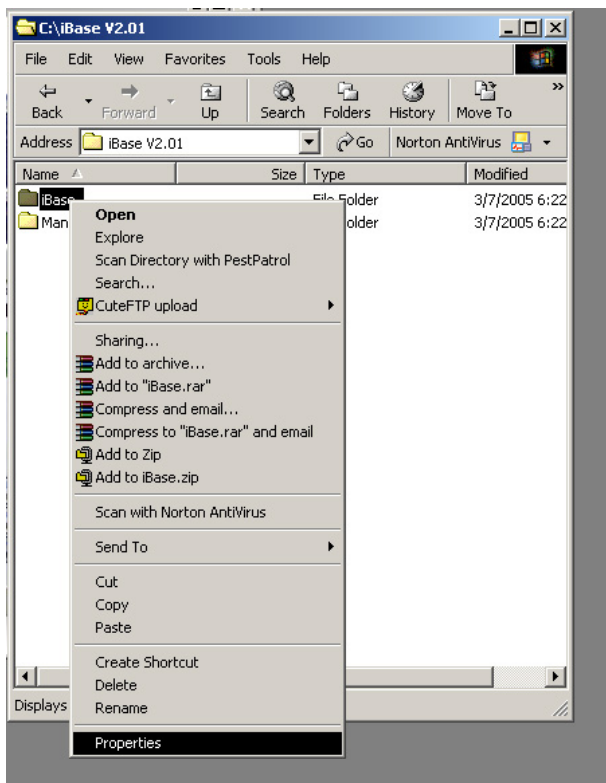
Features:

- Supports all iLOG versions (iLOG-LAN, iLOG-EDM, iLOG-GSM).
- Automatic iLOG data file transfer & import from FTP and POP servers.
- On line parameter changing of iLOG stations.
- Measurement data & alarm event historical archiving.
- Graphical presentation of measurements.

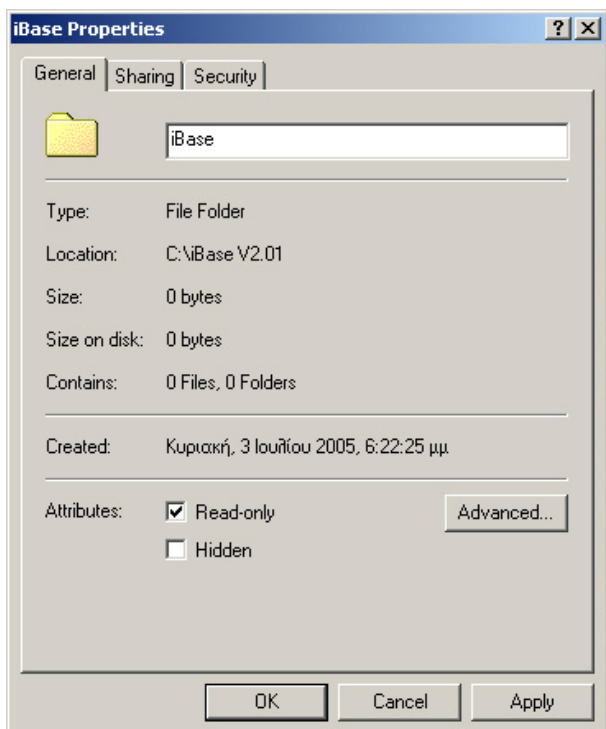


2. Installation and Setup

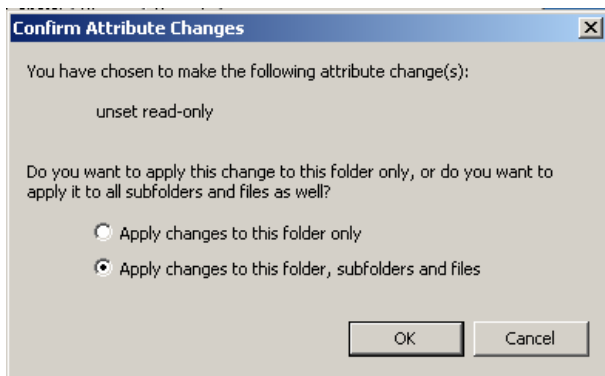
2.1 Installation



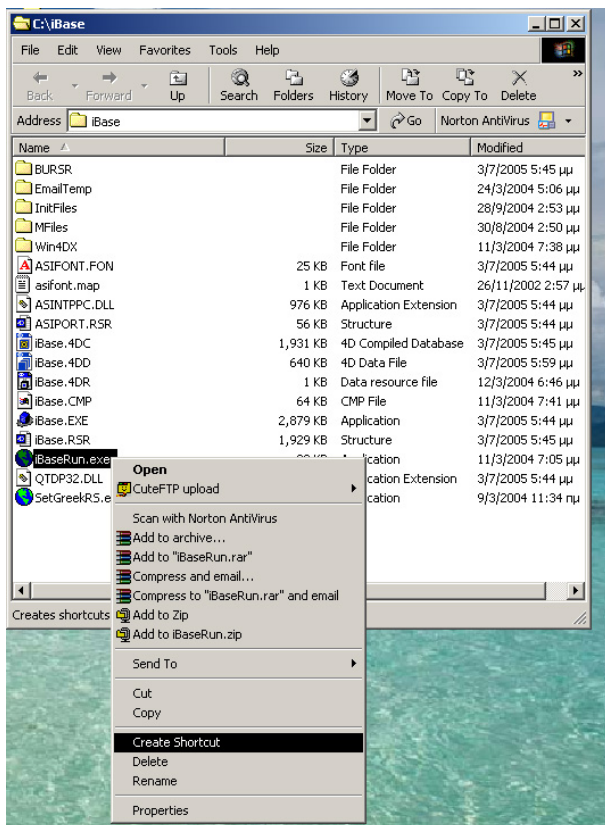
Copy the iBASE folder from the CD to your hard disk. Click the right button on the iBASE folder and select 'Properties'.



Click on the 'Read only' attribute in order to unset it.



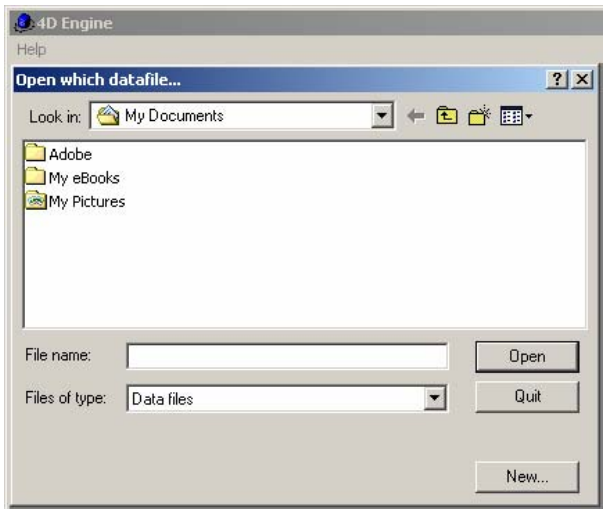
A confirmation form appears. Select the option: 'Apply changes to this folder, subfolders and files' and press 'OK'.



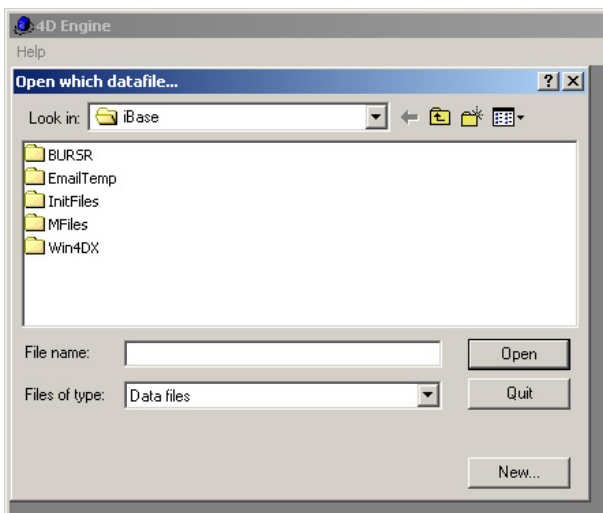
Open the iBASE folder and create a shortcut for 'iBaseRun.exe'. This is the executable file for the iBASE application.

2.2 Setup

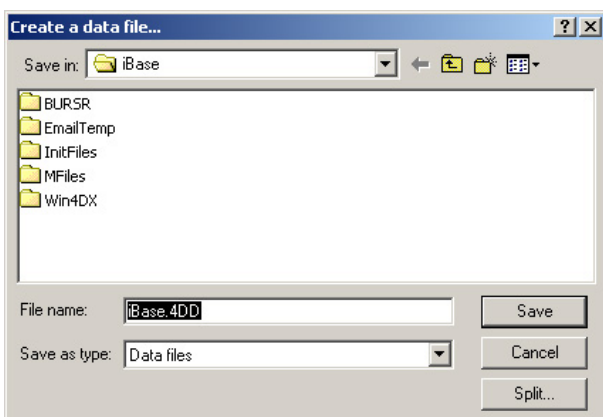
2.2.1 Creating a new data file



The data file selection form appears after launching the iBASE application for the first time. Browse and open the 'iBASE' folder.



Click on the 'New' button to create a new database file. Save the data file with default naming by pressing the 'Save' button.

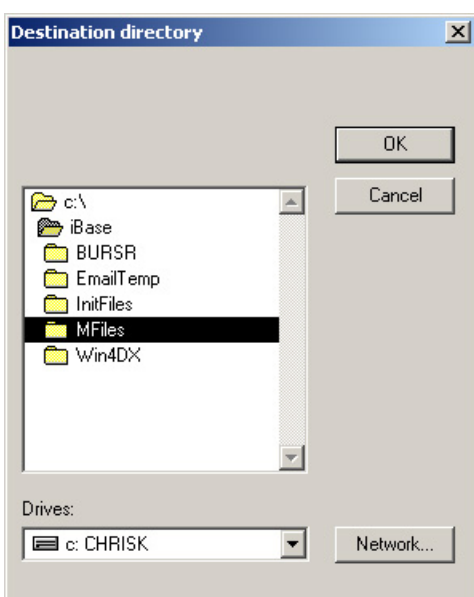
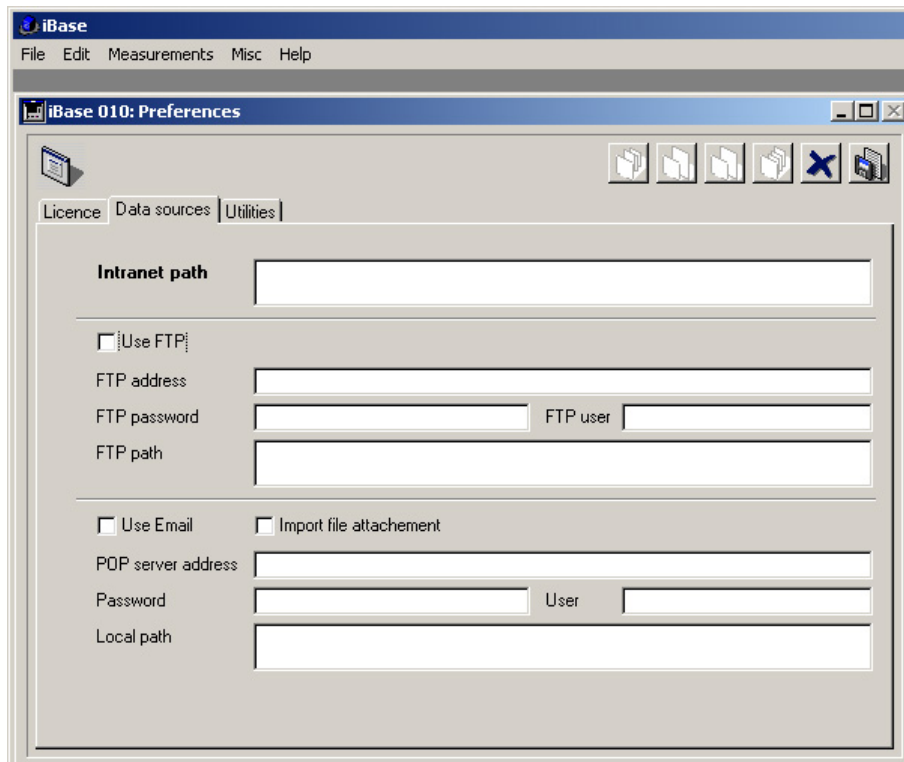


The application screen appears after a few seconds.

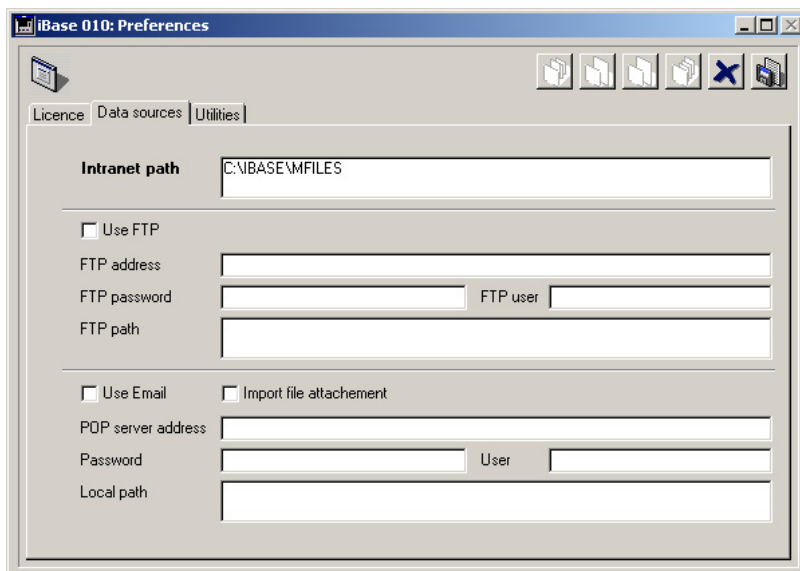
2.2.2 Selecting data sources



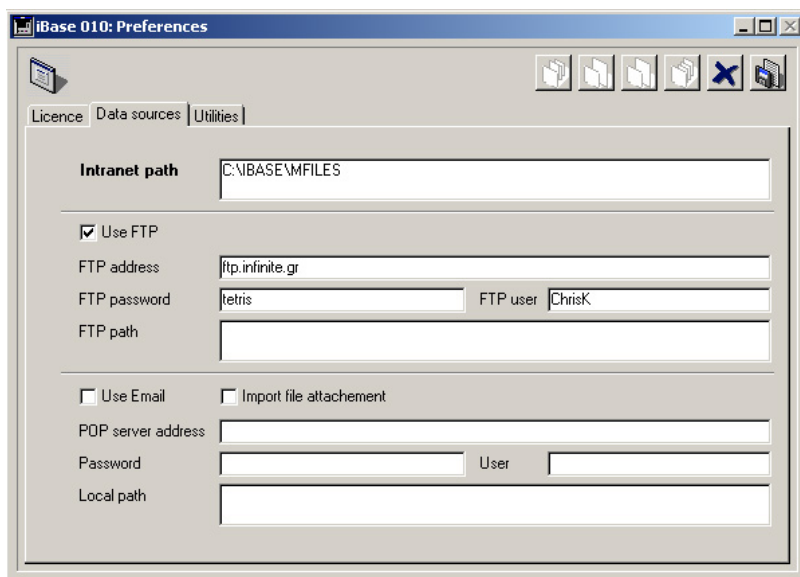
Select and open the 'Preferences' menu item.



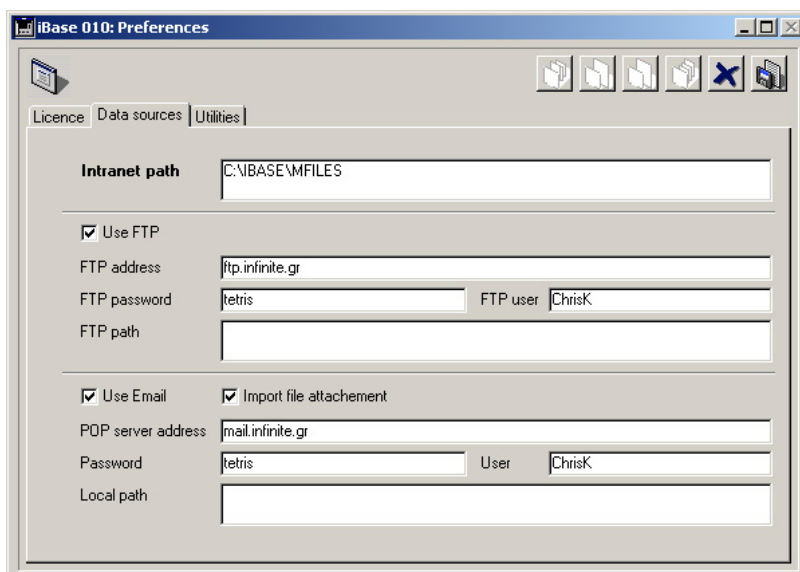
Click in the entry field 'Intranet path'. A browser dialog appears. Select and open the 'Mfiles' folder. Click on the 'OK' button to accept the path.



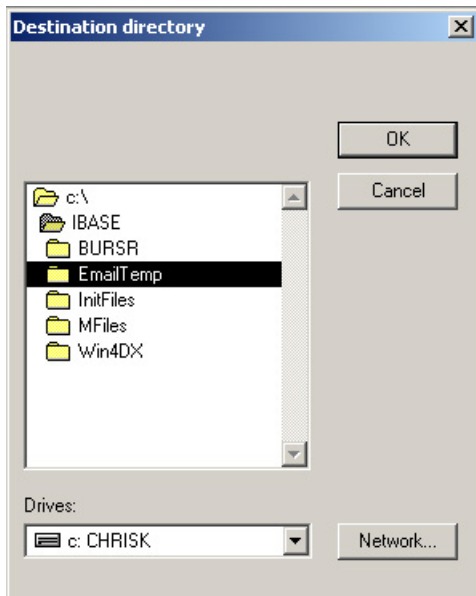
The 'Mfiles' folder contents path is inserted in the 'Intranet path' entry field. This is the path where iBASE expects to find measurement files for automatic importing.



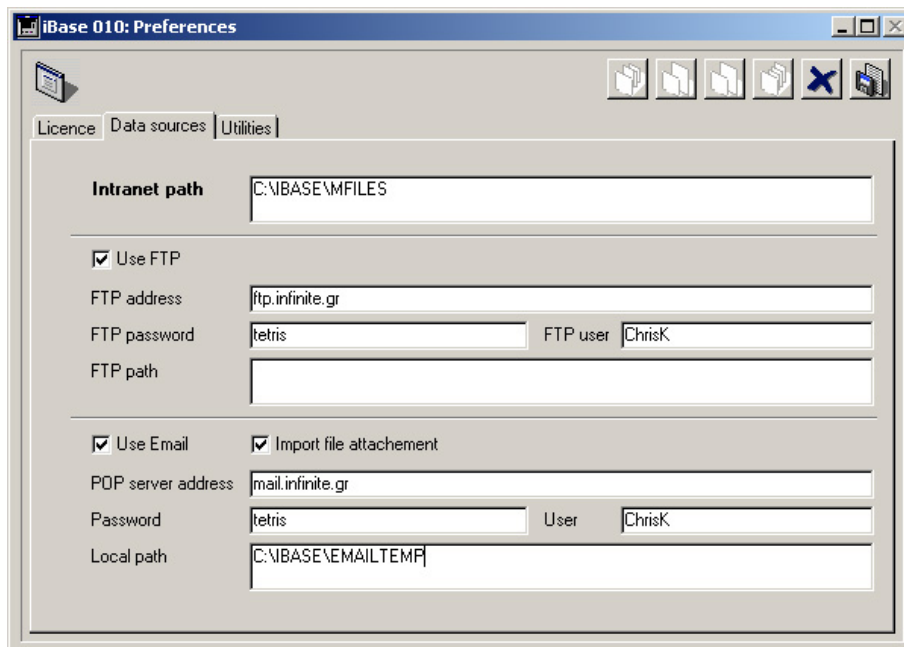
An FTP server must be declared, if one or more iLOG units use this server for uploading data files. Check the 'Use FTP' check box and fill the respective FTP entry fields. Leave the field 'FTP path' empty if the FTP route is used for file transfer. iBASE will transfer measurement files from the FTP server to the 'Intranet path' if the FTP option is enabled.



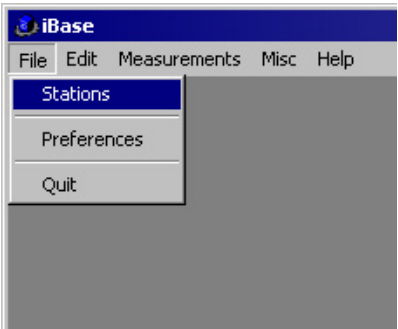
An Email server must be declared, if one or more iLOG units use this server for uploading email data and alarm files. Check the 'Use Email' check box and fill the respective Email entry fields. Check the 'Import file attachment' if you expect measurement data files or leave it unchecked if you use Email only for alarm messaging.



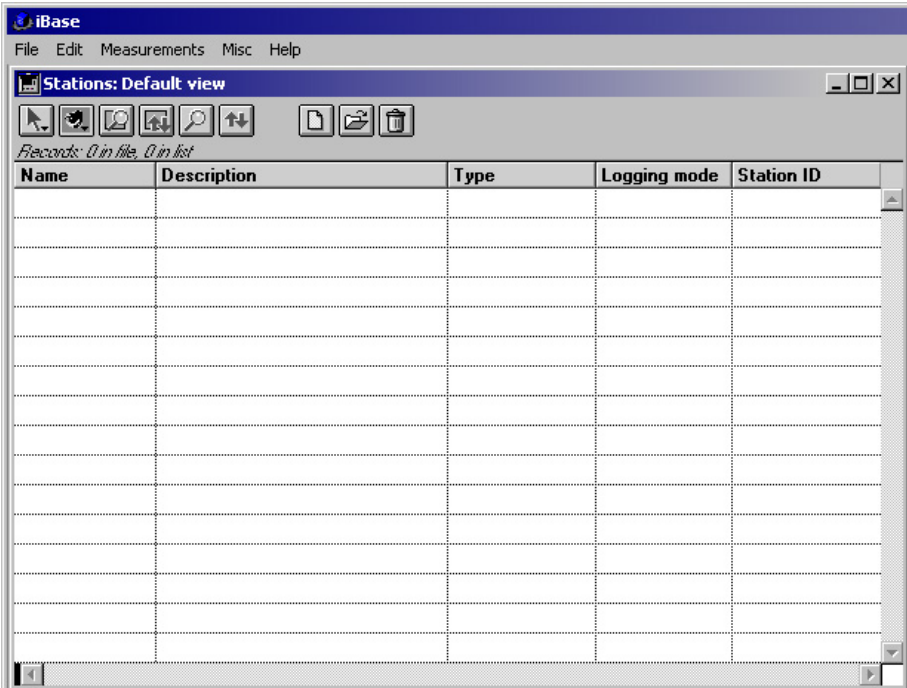
The Local path is used by iBASE to store temporary Email files before extracting the attachment. Click on 'OK' to save the entries. Select 'Quit' from the File menu to exit and permanently save all parameters on disk.



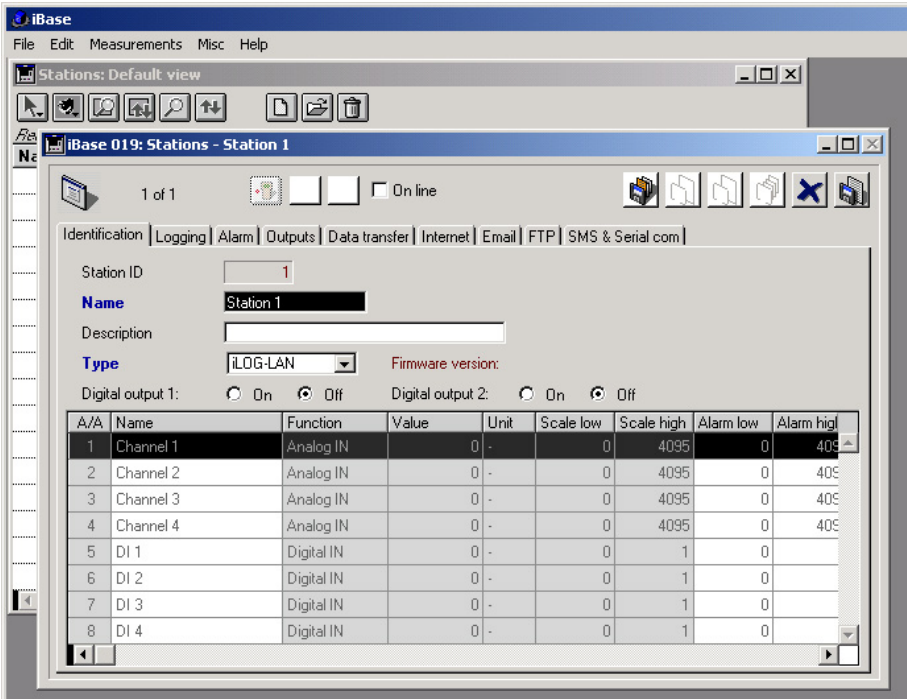
2.2.3 Declaring the iLOG stations



Select and open the 'Stations' menu item.



The iLOG stations list appears.



Type in the name of the iLOG unit. The name must be the same as the unit name declared in the iLOG system parameters. The station name is the key for data file import.

Identification | Logging | Alarm | Outputs | Data transfer | Internet | Email

Station ID:

Name:

Description:

Type: Firmware version:

Digital output 1: Digital output 2:

A/A	Name	Value	Unit
	iLOG-LAN		
	iLOG-EDM		
	iLOG-GSM		

Select the station type.

Available types are:

- iLOG-LAN
- iLOG-EDM
- iLOG-GSM

Click on 'OK' to save the record. The station record appears in the station list. Use the same procedure to declare all iLOG stations used in your application.

Refer to Section 6 for detailed information on the station form.

iBase

File Edit Measurements Misc Help

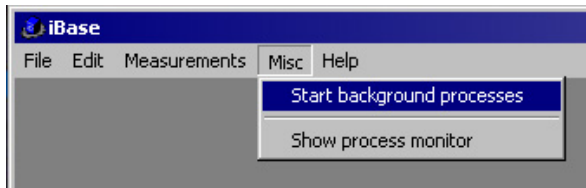
Stations: Default view

Records: 1 in file, 1 in list

Name	Description	Type	Logging mode	Station ID
iLogPan1		iLOG-LAN	1	1

3. Data collection

3.1 The data collection process



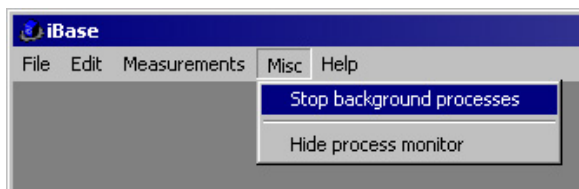
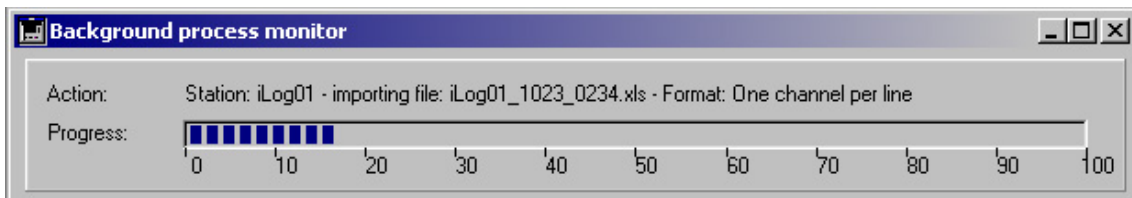
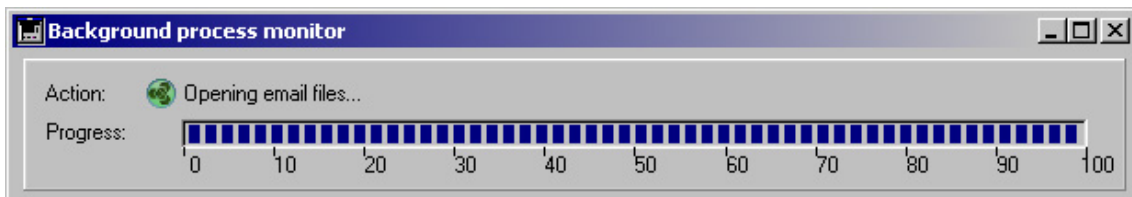
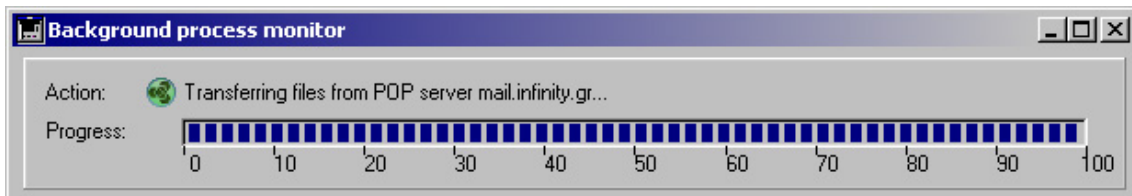
Select 'Start background processes' to start with automatic data transfer and data importing.

The data transfer includes the following actions:

If a FTP server is declared in the 'Preferences' control panel, a connection to the FTP server is established and available data files are copied to the Intranet path.

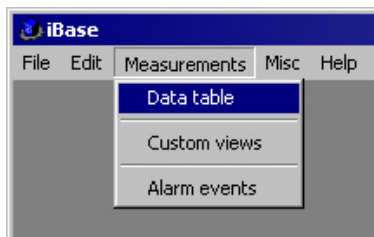
If an Email server is declared in the 'Preferences' control panel, a connection to the POP server is established and available email files are copied to the Email local path. After copying the emails, file attachment is extracted and copied to the Intranet path. After copying the files, the data import is automatically initialized.

Data import from the Intranet path is automatically initialized.



Select 'Stop background processes' if the background monitor enters the idle state.

3.2 The data table

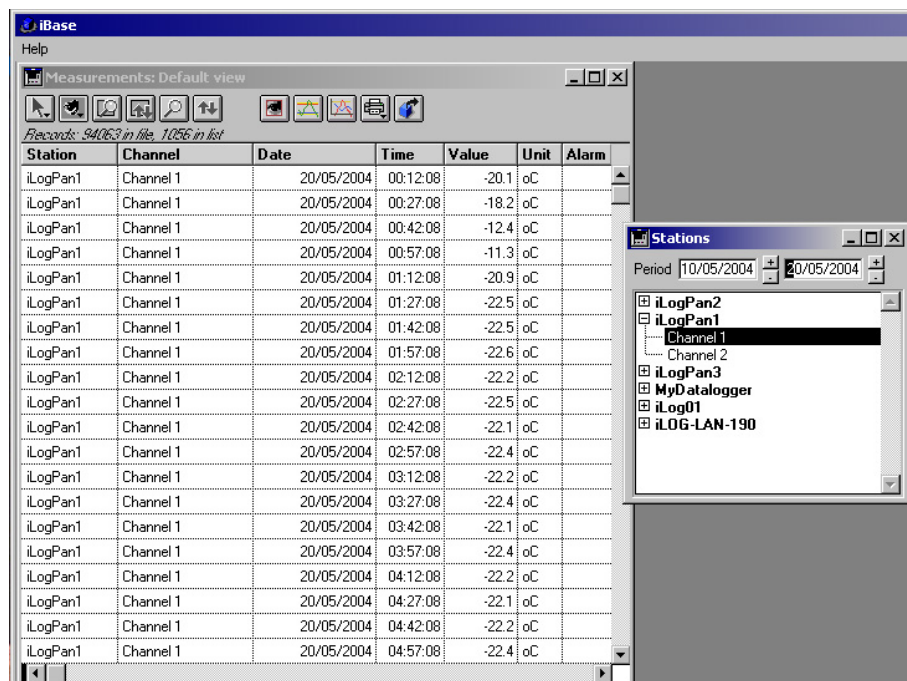


Select menu item 'Data table' to open the measurements historical file in table form.

Records: 94063 in file, 6034 in list

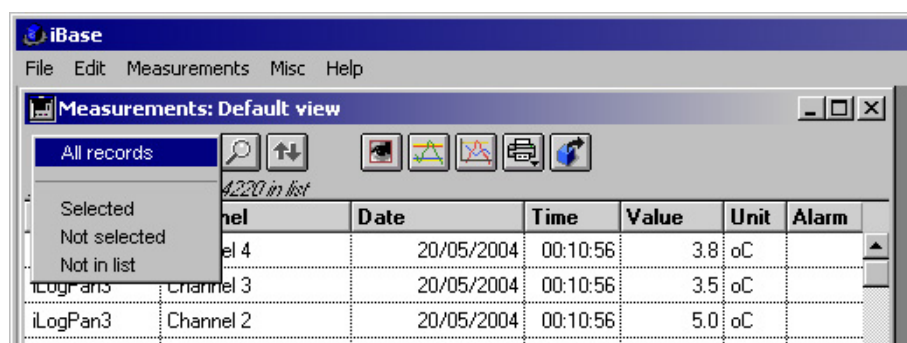
Station	Channel	Date	Time	Value	Unit	Alarm	DI1	DI2	DI3	DI4
iLogPan1	Channel 2	10/06/2004	00:08:38	2.5	oC		0	0	0	0
iLogPan1	Channel 1	10/06/2004	00:08:38	-8.2	oC		0	0	0	0
iLogPan1	Channel 2	10/06/2004	00:23:38	0.7	oC		0	0	0	0
iLogPan1	Channel 1	10/06/2004	00:23:38	-13.7	oC		0	0	0	0
iLogPan1	Channel 2	10/06/2004	00:38:38	2.7	oC		0	0	0	0
iLogPan1	Channel 1	10/06/2004	00:38:38	-20.6	oC		0	0	0	0
iLogPan1	Channel 2	10/06/2004	00:53:38	0.6	oC		0	0	0	0
iLogPan1	Channel 1	10/06/2004	00:53:38	-22.2	oC		0	0	0	0
iLogPan1	Channel 2	10/06/2004	01:08:38	2.7	oC		0	0	0	0
iLogPan1	Channel 1	10/06/2004	01:08:38	-21.4	oC		0	0	0	0
iLogPan1	Channel 2	10/06/2004	01:23:38	2.3	oC		0	0	0	0
iLogPan1	Channel 1	10/06/2004	01:23:38	-22.1	oC		0	0	0	0
iLogPan1	Channel 2	10/06/2004	01:38:38	1.9	oC		0	0	0	0
iLogPan1	Channel 1	10/06/2004	01:38:38	-21.5	oC		0	0	0	0
iLogPan1	Channel 2	10/06/2004	01:53:38	1.1	oC		0	0	0	0
iLogPan1	Channel 1	10/06/2004	01:53:38	-21.4	oC		0	0	0	0
iLogPan1	Channel 2	10/06/2004	02:08:38	2.6	oC		0	0	0	0
iLogPan1	Channel 1	10/06/2004	02:08:38	-21.4	oC		0	0	0	0
iLogPan1	Channel 2	10/06/2004	02:23:38	0.8	oC		0	0	0	0

3.2.1 Selecting records with the stations palette



Click on the  button to open the stations palette.

Use the stations palette to select station or station channel records in selected period. To view all records in list, close the Stations palette and select 'All records' from the 'Record selector' button.



 Record selector button.

3.2.2 Viewing data in a chart

iBase

Help

Measurements: Default view

Records: 94063 in file, 192 in list


Station	Channel	Date	Time	Value	Unit	Alarm	D11	D12	D13	D14
iLogPan1	Channel 1	16/05/2004	00:10:32	-21.0	oC		0	0	0	0
iLogPan1	Channel 1	16/05/2004	00:25:32	-21.0	oC		0	0	0	0
iLogPan1	Channel 1	16/05/2004	00:40:32	-17.7	oC		0	0	0	0
iLogPan1	Channel 1	16/05/2004	00:55:32	-5.6	oC					
iLogPan1	Channel 1	16/05/2004	01:10:32	-18.6	oC					
iLogPan1	Channel 1	16/05/2004	01:25:32	-22.1	oC					
iLogPan1	Channel 1	16/05/2004	01:40:32	-20.4	oC					
iLogPan1	Channel 1	16/05/2004	01:55:32	-22.4	oC					
iLogPan1	Channel 1	16/05/2004	02:10:32	-22.1	oC					
iLogPan1	Channel 1	16/05/2004	02:25:32	-22.1	oC					
iLogPan1	Channel 1	16/05/2004	02:40:32	-22.0	oC					
iLogPan1	Channel 1	16/05/2004	02:55:32	-22.0	oC					
iLogPan1	Channel 1	16/05/2004	03:10:32	-22.0	oC					
iLogPan1	Channel 1	16/05/2004	03:25:32	-22.0	oC					
iLogPan1	Channel 1	16/05/2004	03:40:32	-22.0	oC					

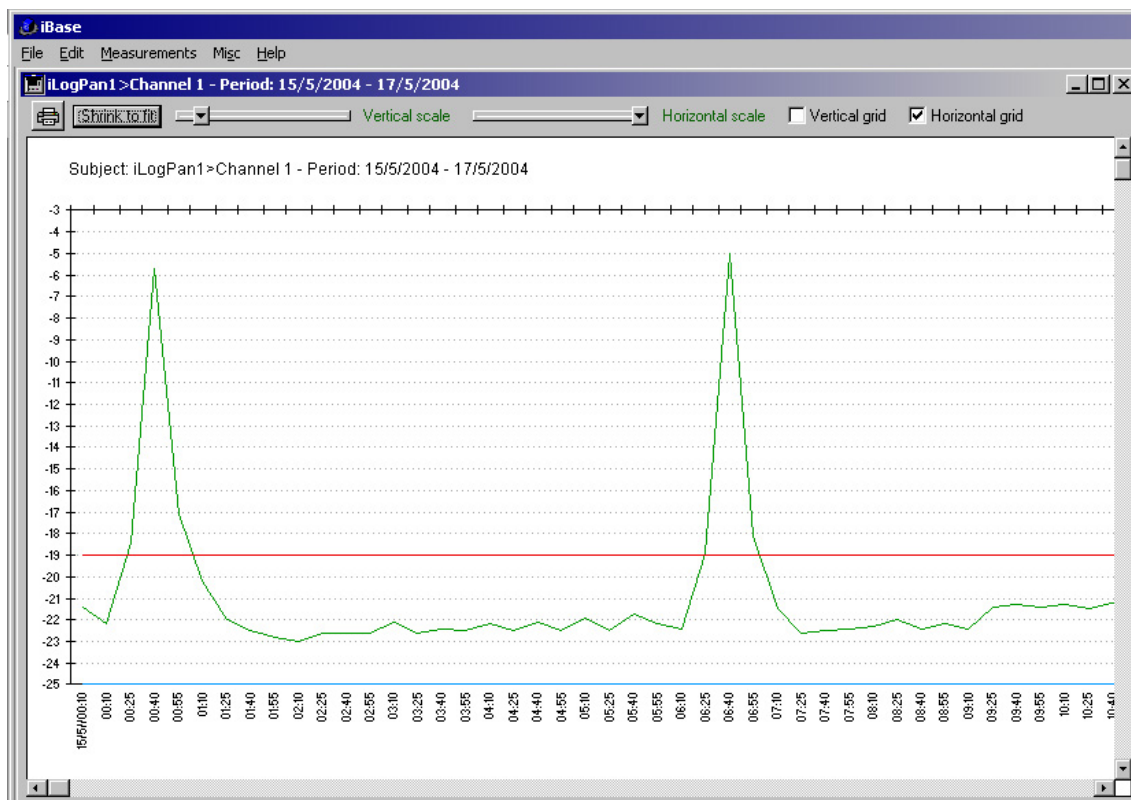
Stations

Period: 15/05/2004 - 16/05/2004

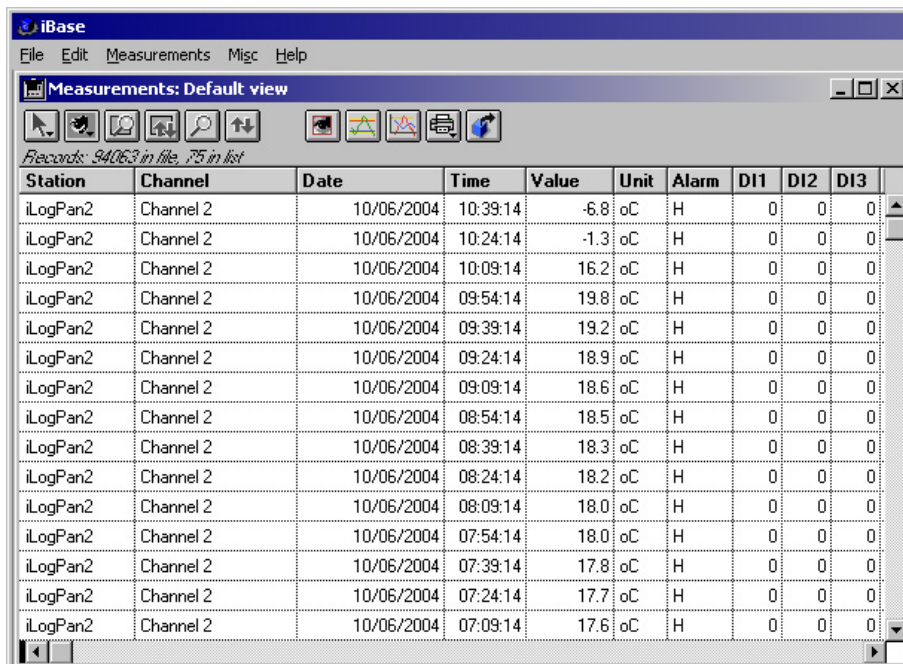
- iLogPan2
- iLogPan1
 - Channel 1
 - Channel 2
- iLogPan3
- MyDatalogger
- iLog01
- iLOG-LAN-190

Open the station palette and select a single channel in period.

Click on the  button to view the selected records (measurement and alarm limits) in chart form.




3.2.3 Selecting off limit records



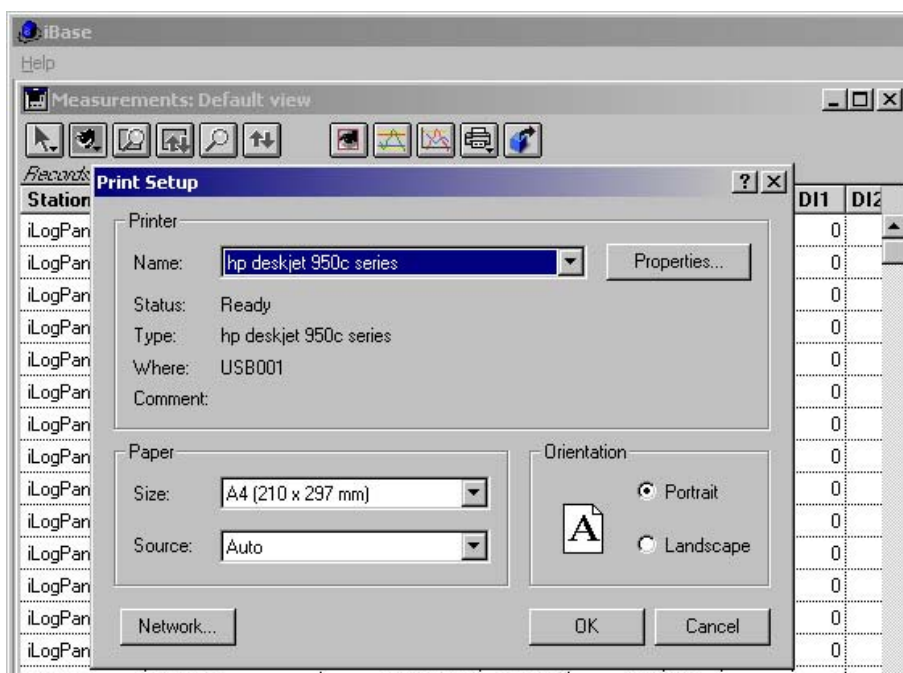
Records: 94063 in file, 75 in list

Station	Channel	Date	Time	Value	Unit	Alarm	DI1	DI2	DI3
iLogPan2	Channel 2	10/06/2004	10:39:14	-6.8	oC	H	0	0	0
iLogPan2	Channel 2	10/06/2004	10:24:14	-1.3	oC	H	0	0	0
iLogPan2	Channel 2	10/06/2004	10:09:14	16.2	oC	H	0	0	0
iLogPan2	Channel 2	10/06/2004	09:54:14	19.8	oC	H	0	0	0
iLogPan2	Channel 2	10/06/2004	09:39:14	19.2	oC	H	0	0	0
iLogPan2	Channel 2	10/06/2004	09:24:14	18.9	oC	H	0	0	0
iLogPan2	Channel 2	10/06/2004	09:09:14	18.6	oC	H	0	0	0
iLogPan2	Channel 2	10/06/2004	08:54:14	18.5	oC	H	0	0	0
iLogPan2	Channel 2	10/06/2004	08:39:14	18.3	oC	H	0	0	0
iLogPan2	Channel 2	10/06/2004	08:24:14	18.2	oC	H	0	0	0
iLogPan2	Channel 2	10/06/2004	08:09:14	18.0	oC	H	0	0	0
iLogPan2	Channel 2	10/06/2004	07:54:14	18.0	oC	H	0	0	0
iLogPan2	Channel 2	10/06/2004	07:39:14	17.8	oC	H	0	0	0
iLogPan2	Channel 2	10/06/2004	07:24:14	17.7	oC	H	0	0	0
iLogPan2	Channel 2	10/06/2004	07:09:14	17.6	oC	H	0	0	0

Click on the  button to select off limit records.

To view all records in list, select 'All records' from the 'Record selector' button.

3.2.4 Printing selected records



Print Setup

Printer:

Name: **hp deskjet 950c series** Properties...

Status: Ready

Type: hp deskjet 950c series

Where: USB001

Comment:

Paper:

Size: **A4 (210 x 297 mm)**


Source: **Auto**

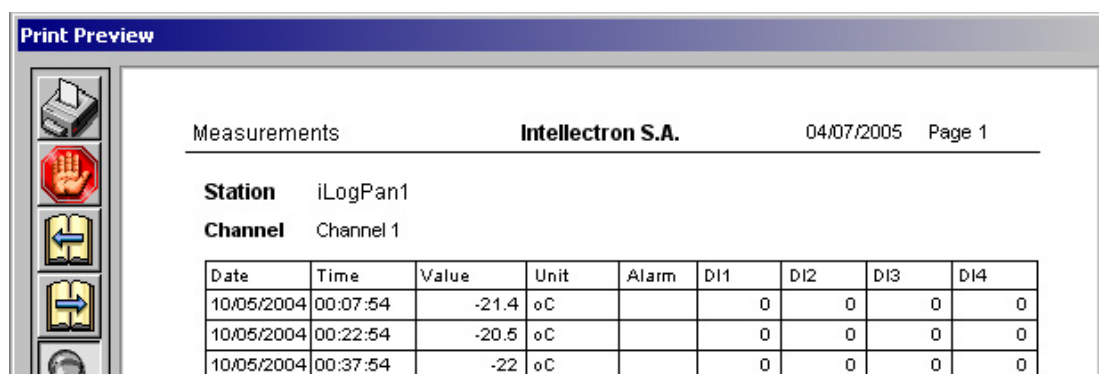
Orientation:

☒ Portrait

☐ Landscape

Network... OK Cancel

Make the desired selection and click the  button to make a hard copy of the listed records on the default printer.



Print Preview

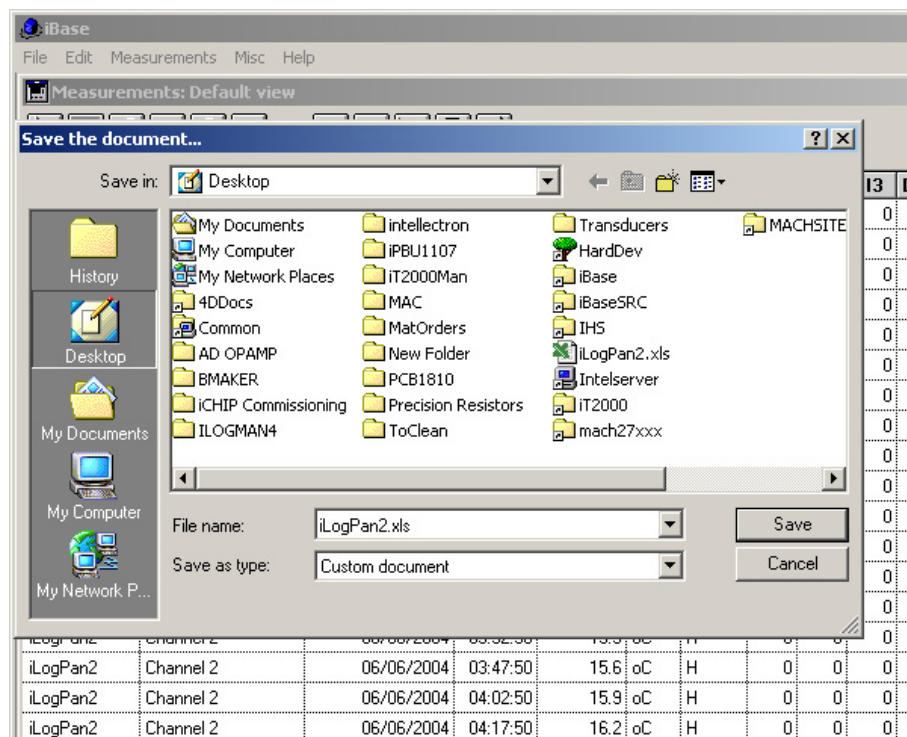
Measurements **Intellectron S.A.** 04/07/2005 Page 1


Station iLogPan1

Channel Channel 1

Date	Time	Value	Unit	Alarm	DI1	DI2	DI3	DI4
10/05/2004	00:07:54	-21.4	oC		0	0	0	0
10/05/2004	00:22:54	-20.5	oC		0	0	0	0
10/05/2004	00:37:54	-22	oC		0	0	0	0

3.2.5 Exporting data to Excel

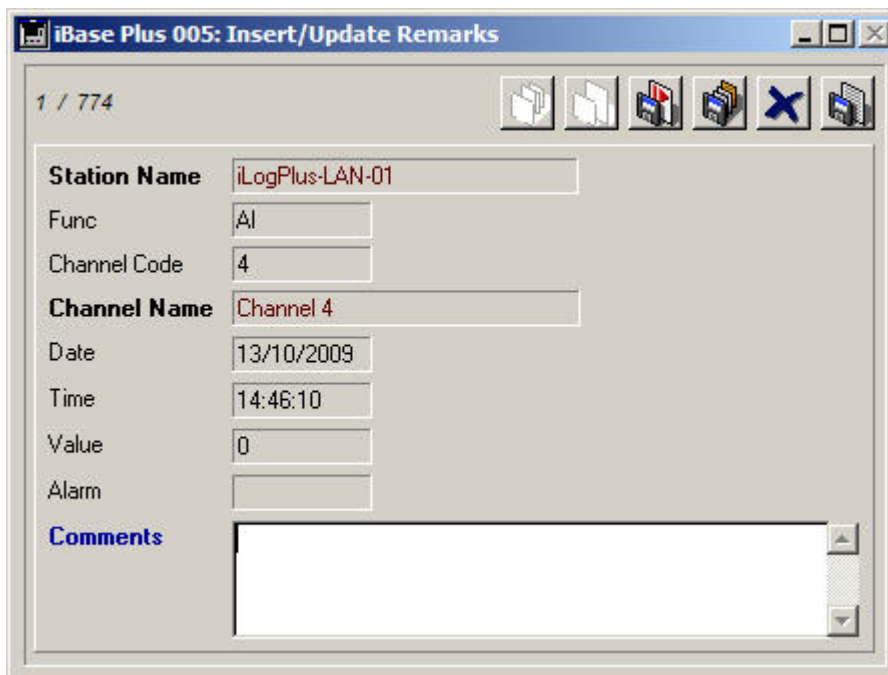


Make the desired selection and click the  button to export the listed records in an .xls file (EXCEL).

Microsoft Excel - iLogPan2.xls											
File Edit View Insert Format Tools Data Window Help Acrobat											
A1 = Station											
A	B	C	D	E	F	G	H	I	J	K	L
1	Station	Channel	Date	Time	Value	Unit	Alarm	DI1	DI2	DI3	DI4
2	iLogPan2	Channel 2	6/6/2004	0:06:44	-16.9	oC		0	0	0	0
3	iLogPan2	Channel 2	6/6/2004	0:21:44	-17	oC		0	0	0	0
4	iLogPan2	Channel 2	6/6/2004	0:36:02	-17.4	oC		0	0	0	0
5	iLogPan2	Channel 2	6/6/2004	0:51:02	-18	oC		0	0	0	0
6	iLogPan2	Channel 2	6/6/2004	1:06:02	-18.5	oC		0	0	0	0
7	iLogPan2	Channel 2	6/6/2004	1:21:02	-18.4	oC		0	0	0	0
8	iLogPan2	Channel 2	6/6/2004	1:36:02	-14	oC	H	0	0	0	0
9	iLogPan2	Channel 2	6/6/2004	1:51:02	-8.5	oC	H	0	0	0	0
10	iLogPan2	Channel 2	6/6/2004	2:06:02	-0.6	oC	H	0	0	0	0
11	iLogPan2	Channel 2	6/6/2004	2:21:02	7.7	oC	H	0	0	0	0
12	iLogPan2	Channel 2	6/6/2004	2:32:50	12.8	oC	H	0	0	0	0
13	iLogPan2	Channel 2	6/6/2004	2:47:50	13.7	oC	H	0	0	0	0
14	iLogPan2	Channel 2	6/6/2004	3:02:50	14.6	oC	H	0	0	0	0
15	iLogPan2	Channel 2	6/6/2004	3:17:50	15	oC	H	0	0	0	0

3.2.6 Editing Records

Select the line that you want to edit and press double click on it or press the button 'Insert/Update Remarks' :



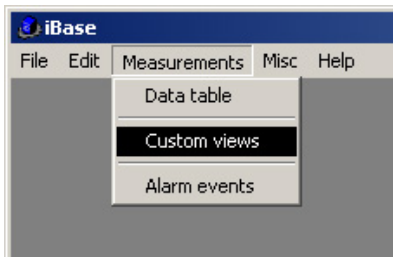
The screenshot shows a Windows-style dialog box titled "iBase Plus 005: Insert/Update Remarks". At the top left, it displays "1 / 774". To the right of this are several icons: a folder, a document, a document with a red 'X', a document with a blue 'X', a document with a green 'X', and a document with a red 'X'. Below the icons, the form contains the following fields:

Station Name	iLogPlus-LAN-01
Func	AI
Channel Code	4
Channel Name	Channel 4
Date	13/10/2009
Time	14:46:10
Value	0
Alarm	
Comments	<div></div>

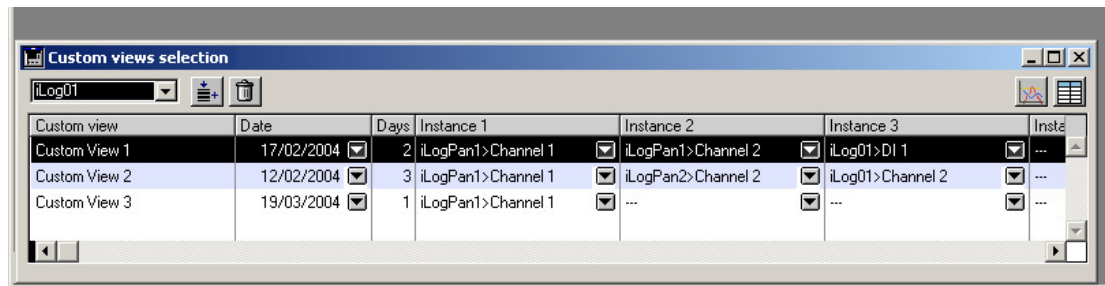
The "Comments" field is a large text area with a vertical scrollbar on the right side.


4. Creating custom views

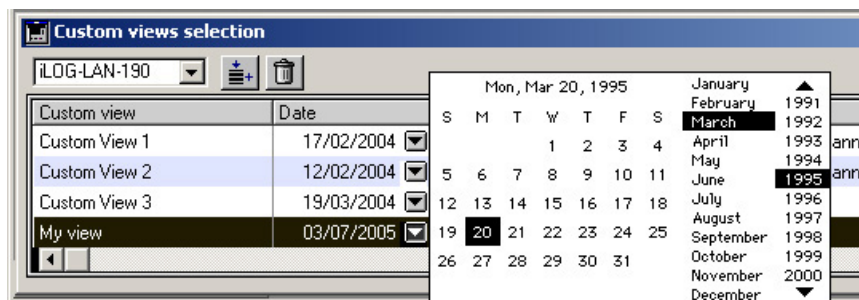
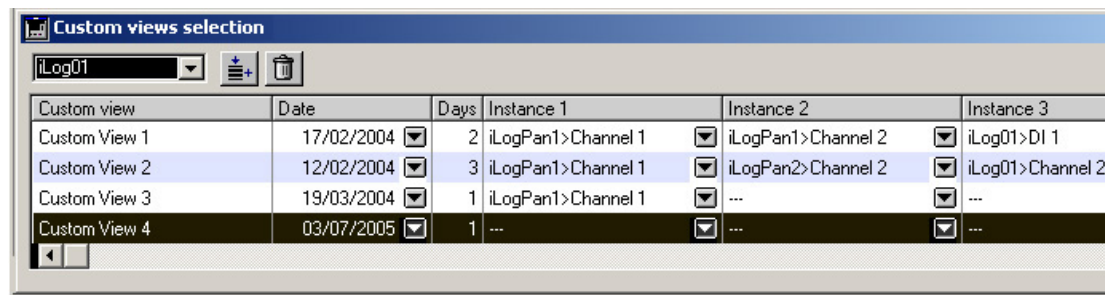
4.1 Creating a custom view



Select menu item 'Custom views' to create mixed channel data views, both in table and chart form. The custom views palette window opens.

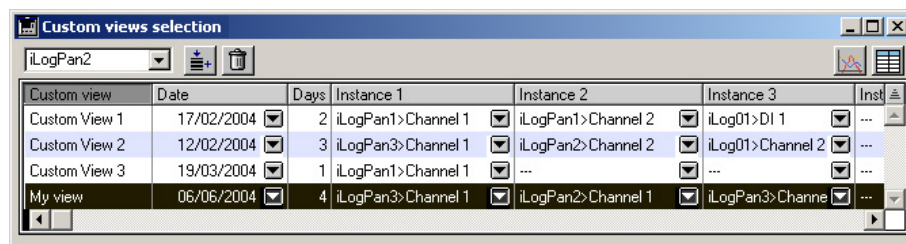



Click on the  button to create a new custom view (here Custom View 4). If you wish, enter and edit the name of the custom view by double clicking the respective cell of the first column.



Select a period startup date by clicking on the popup button in the respective cell of column 'Date'. Specify the period by entering the number of days in the respective cell of column 'Days'. Select a channel for the first view instance. You can set up to 8 instances in a view. First select a station by clicking on the Station pull down menu. Select a channel by clicking on the popup button in the respective cell of column 'Instance 1'. Proceed in the same way and set more instances.

4.2 Open a custom view in table form



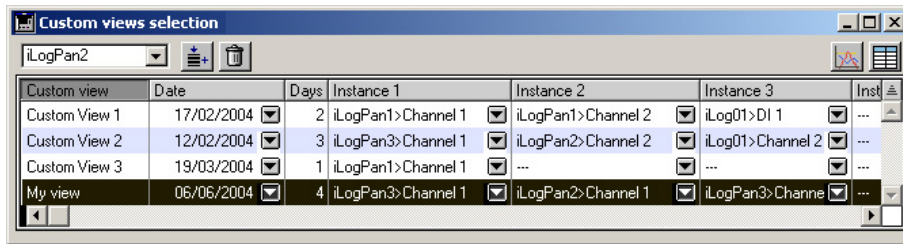
Open the Table form view by selecting the custom view and clicking on the  button.


Footer values: ☐ Maximum ☐ Minimum ☒ Average

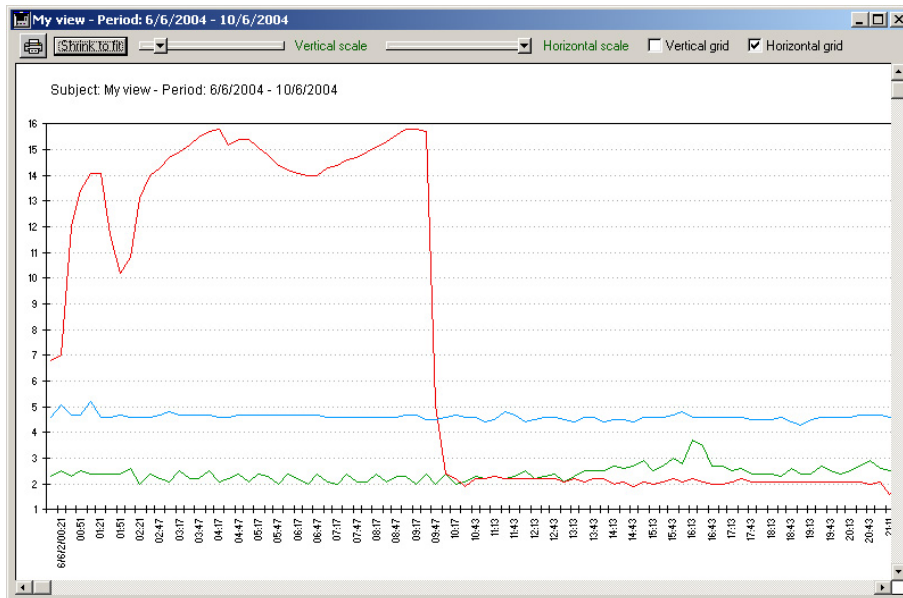
Date	Time	iLogPan3>Channel 1-oC	iLogPan2>Channel 1-oC	iLogPan3>Channel 2-oC
06/06/2004	00:06	2.3	6.8	4.6
06/06/2004	00:21	2.5	7.0	5.1
06/06/2004	00:36	2.3	12.0	4.7
06/06/2004	00:51	2.5	13.4	4.7
06/06/2004	01:06	2.4	14.1	5.2
06/06/2004	01:21	2.4	14.1	4.6
06/06/2004	01:36	2.4	11.7	4.6
06/06/2004	01:51	2.4	10.2	4.7
06/06/2004	02:06	2.6	10.8	4.6
06/06/2004	02:21	2.0	13.1	4.6
06/06/2004	02:32	2.4	14.0	4.6
06/06/2004	02:47	2.2	14.3	4.7
06/06/2004	03:02	2.1	14.7	4.8
06/06/2004	03:17	2.5	14.9	4.7
06/06/2004	03:32	2.2	15.2	4.7
06/06/2004	03:47	2.2	15.5	4.7
		2.5	3.2	4.6

Select the calculated value by clicking on the appropriate radio button. The footer of the table contains a calculated value for the respective period. The values can be selected between maximum, minimum or average by means of the corresponding radio buttons.

4.3 Open a custom view in chart form

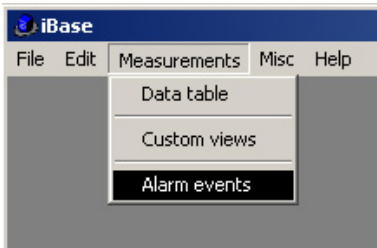


Open the Table form view by selecting a custom view and clicking on the  button.



Click on the green (Vertical scale, Horizontal scale) headers to reset scales to the default values.

5. Alarm events



Select menu item 'Alarm events' to open the Alarm events table. Types of alarm events are:

High alarm


Low alarm

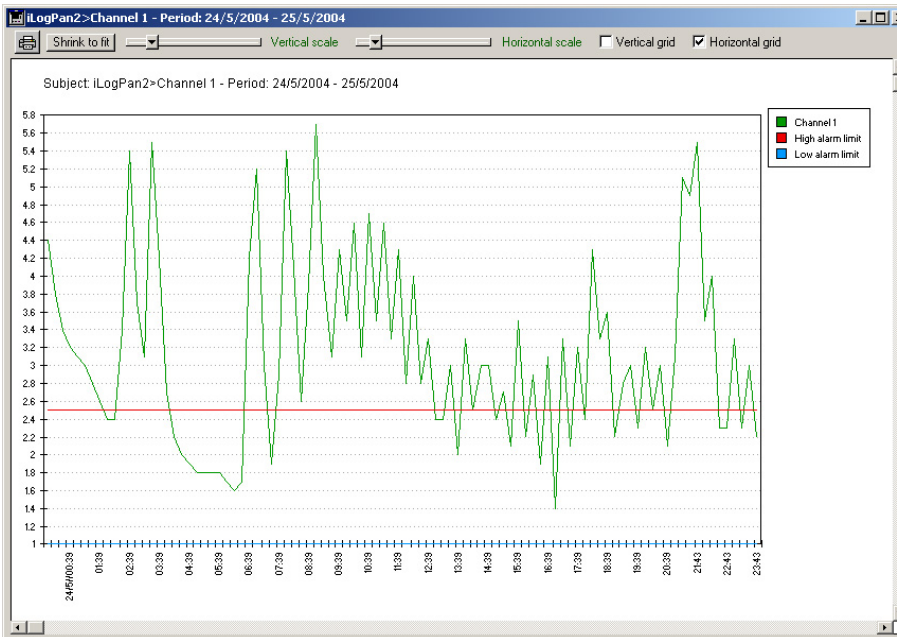
Acknowledge

AlarmEvents: Default view


Records: 611 in file, 3 in list

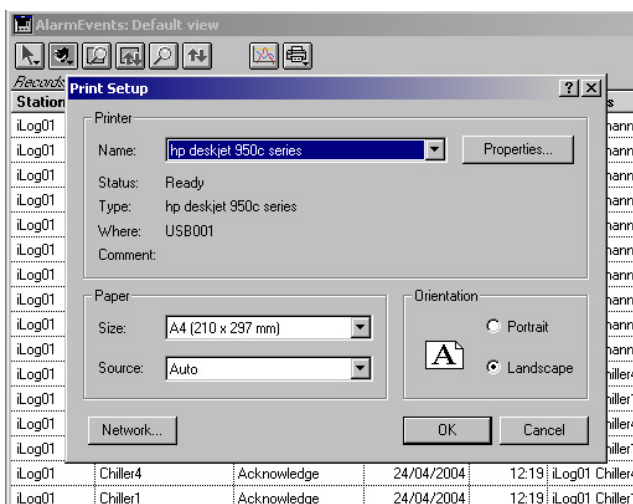
Station	Channel	Type	Date	Time	Contents
iLogPan2	Channel 1	High alarm	21/05/2004	13:20	iLogPan2 Club High Alarm
iLogPan2	Channel 1	Acknowledge	21/05/2004	13:20	iLogPan2 1 alarm acknowledged (AI: 3)
iLogPan2	Channel 1	High alarm	24/05/2004	09:20	iLogPan2 Club High Alarm

Click the  button to view a 24-hour chart for the channel on the alarm date.



Make the desired selection

and click the  button to make a hard copy of the listed records on the default printer.

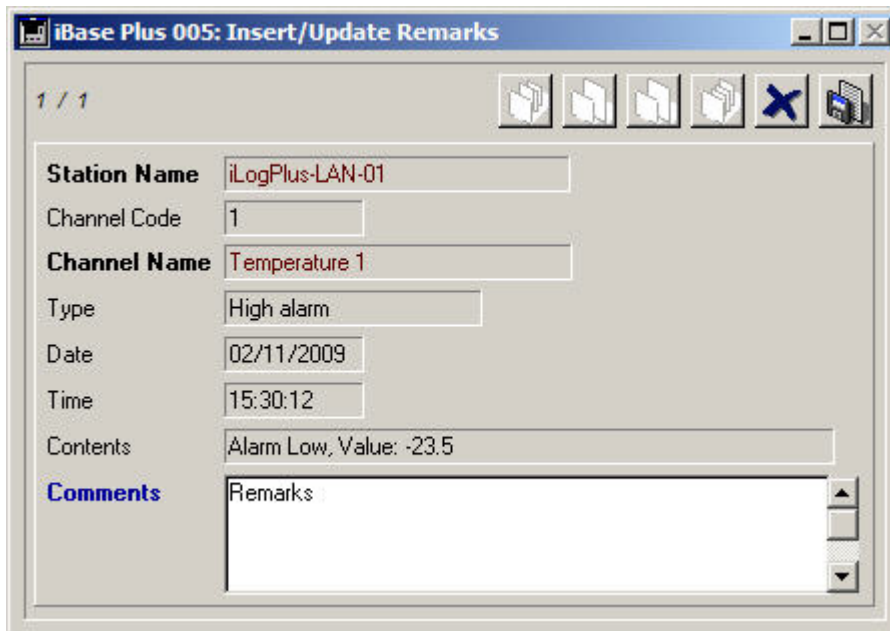


Alarm events Intellectron S.A. 04/07/2005 Page 1

Station	Channel	Alarm type	Date	Time	Contents
iLog01	Chiller4	Low alarm	24/04/2004	12:15	iLog01 Chiller4 Low alarm
iLog01	Chiller4	Low alarm	24/04/2004	12:15	iLog01 Chiller2 Low alarm
iLog01	Chiller1	High alarm	24/04/2004	12:17	iLog01 Chiller1 High alarm
iLog01	Chiller1	High alarm	24/04/2004	12:17	iLog01 Chiller1 High alarm
iLog01	Channel 1	High alarm	24/04/2004	12:15	iLog01 Channel 1 High alarm
iLog01	Channel 1	High alarm	24/04/2004	12:18	iLog01 DFR21 High alarm
iLog01	Channel 2	High alarm	24/04/2004	12:18	iLog01 Channel 2 High alarm
iLog01	Channel 2	High alarm	24/04/2004	12:18	iLog01 DFR21 High alarm
iLog01	Chiller4	Acknowledge	24/04/2004	12:19	iLog01 Chiller4 Acknowledge
iLog01	Chiller1	Acknowledge	24/04/2004	12:19	iLog01 Chiller1 Acknowledge
iLog01	Chiller2	Acknowledge	24/04/2004	12:19	iLog01 Chiller2 Acknowledge
iLog01	Channel 1	Acknowledge	24/04/2004	12:19	iLog01 Channel 1 Acknowledge
iLog01	Chiller4	Acknowledge	24/04/2004	12:19	iLog01 Chiller4 Acknowledge
iLog01	Chiller1	Acknowledge	24/04/2004	12:19	iLog01 Chiller1 Acknowledge
iLog01	Channel 2	Acknowledge	24/04/2004	12:19	iLog01 DFR21 Acknowledge
iLog01	Channel 1	Acknowledge	24/04/2004	12:19	iLog01 DFR21 Acknowledge
iLog01	Chiller4	Low alarm	24/04/2004	12:20	iLog01 Chiller4 Low alarm
iLog01	Chiller1	High alarm	24/04/2004	12:20	iLog01 Chiller1 High alarm
iLog01	Chiller4	Low alarm	24/04/2004	12:20	iLog01 Chiller2 Low alarm
iLog01	Chiller1	High alarm	24/04/2004	12:20	iLog01 Chiller1 High alarm
iLog01	Chiller4	Acknowledge	24/04/2004	12:20	iLog01 Chiller4 Acknowledge
iLog01	Chiller1	Acknowledge	24/04/2004	12:20	iLog01 Chiller1 Acknowledge
iLog01	Chiller4	Acknowledge	24/04/2004	12:20	iLog01 Chiller2 Acknowledge
iLog01	Chiller1	Acknowledge	24/04/2004	12:20	iLog01 Chiller1 Acknowledge
iLog01	Channel 3	Low alarm	20/09/2004	18:01	iLog01 Channel 3 Low alarm

5.1 Editing Records

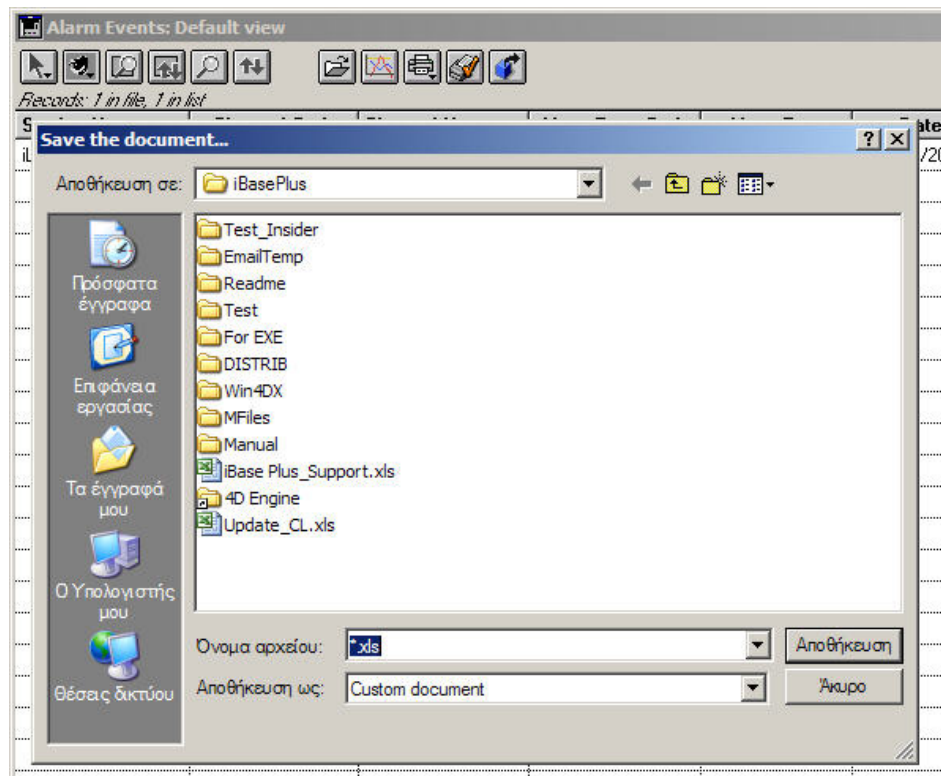
Select the line that you want to edit and press double click on it or press the button 'Insert/Update Remarks' :




The screenshot shows a Windows-style dialog box titled "iBase Plus 005: Insert/Update Remarks". The dialog has a standard Windows XP-style title bar with minimize, maximize, and close buttons. Below the title bar, there is a toolbar with several icons: a folder, a document, a magnifying glass, a trash can, a blue 'X' (cancel), and a document with a checkmark (confirm). The main area of the dialog is divided into two columns. The left column contains labels for various fields: "Station Name", "Channel Code", "Channel Name", "Type", "Date", "Time", "Contents", and "Comments". The right column contains the corresponding input fields. The "Station Name" field is filled with "iLogPlus-LAN-01". The "Channel Code" field is filled with "1". The "Channel Name" field is filled with "Temperature 1". The "Type" field is filled with "High alarm". The "Date" field is filled with "02/11/2009". The "Time" field is filled with "15:30:12". The "Contents" field is filled with "Alarm Low, Value: -23.5". The "Comments" field is a text area with the word "Remarks" as a placeholder. The "Comments" label is highlighted in blue. At the bottom right of the "Comments" text area, there are three small buttons: a left arrow, a right arrow, and a refresh/clear button.

Station Name	iLogPlus-LAN-01
Channel Code	1
Channel Name	Temperature 1
Type	High alarm
Date	02/11/2009
Time	15:30:12
Contents	Alarm Low, Value: -23.5
Comments	Remarks

5.2 Exporting data to Excel



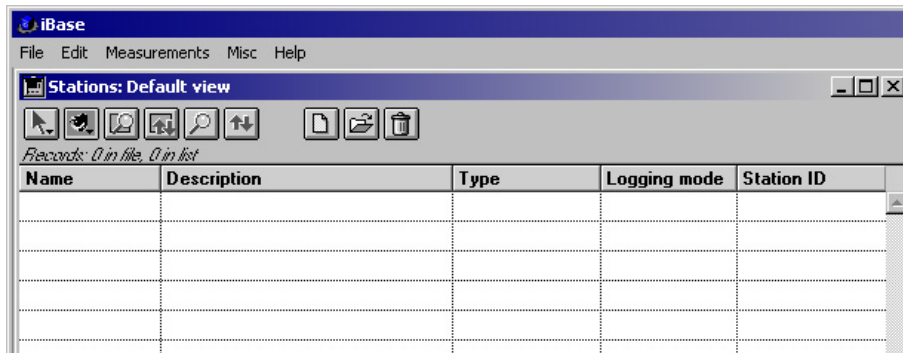
Make the desired selection and click the  button to export the listed records in an .xls file (EXCEL).

The screenshot shows the Microsoft Excel - 1.xls spreadsheet. The data is organized into columns: Station Name, Channel Name, Alarm Type, Alarm Type Date, Time, Contents, and Comments. The first row of data shows a station named 'iLogPlus-L' with a temperature alarm on 2/11/2009 at 15:30:12, with the content 'Alarm Low' and a 'Remarks' field.


	A	B	C	D	E	F	G	H	I
	Station Name	Channel Name	Alarm Type	Alarm Type Date	Time	Contents	Comments		
1	iLogPlus-L	1	Temperatu	1	High alarm	2/11/2009	15:30:12	Alarm Low	Remarks
2									
3									

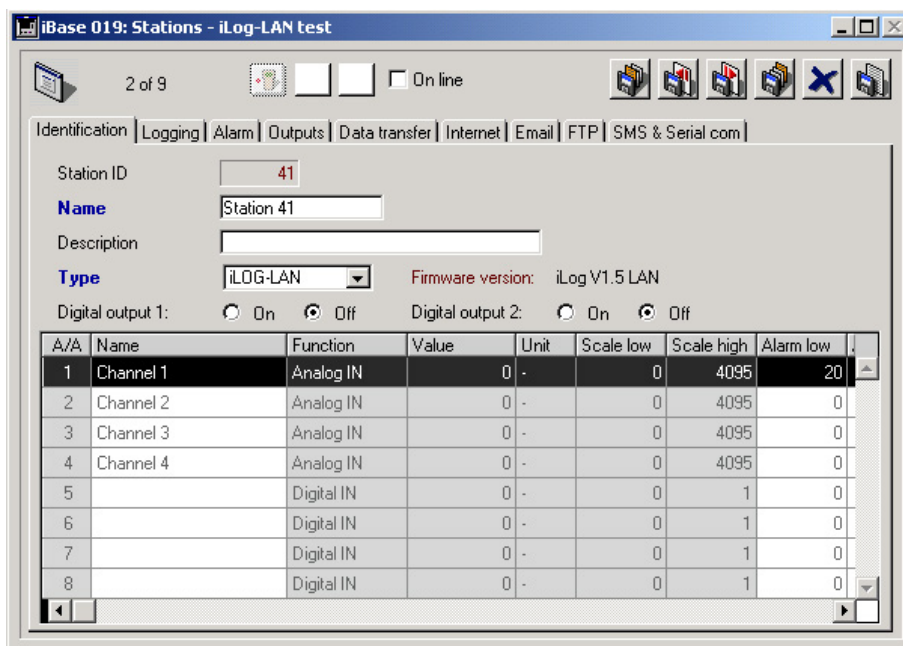
6. Online communications

6.1 Connecting to an iLOG station

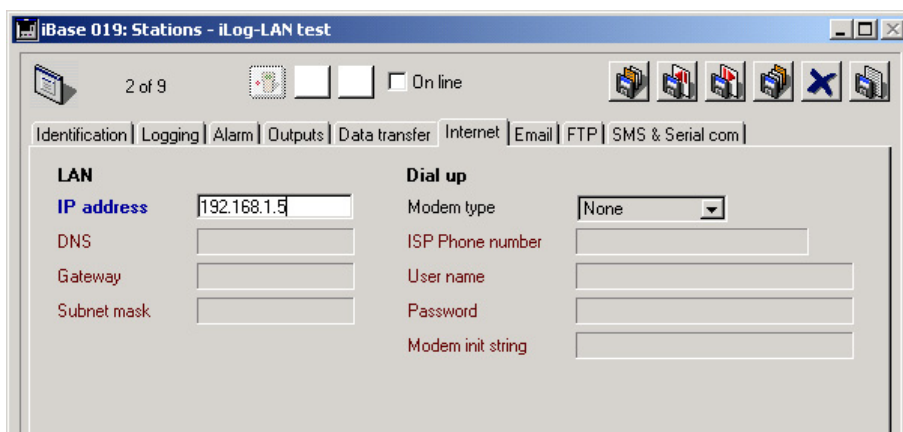


Connect an iLOG-LAN unit to your TCP/IP network and set the appropriate parameters. Select menu item 'Stations' from the File menu to open the Stations list.

Click on the  button to create a new station.

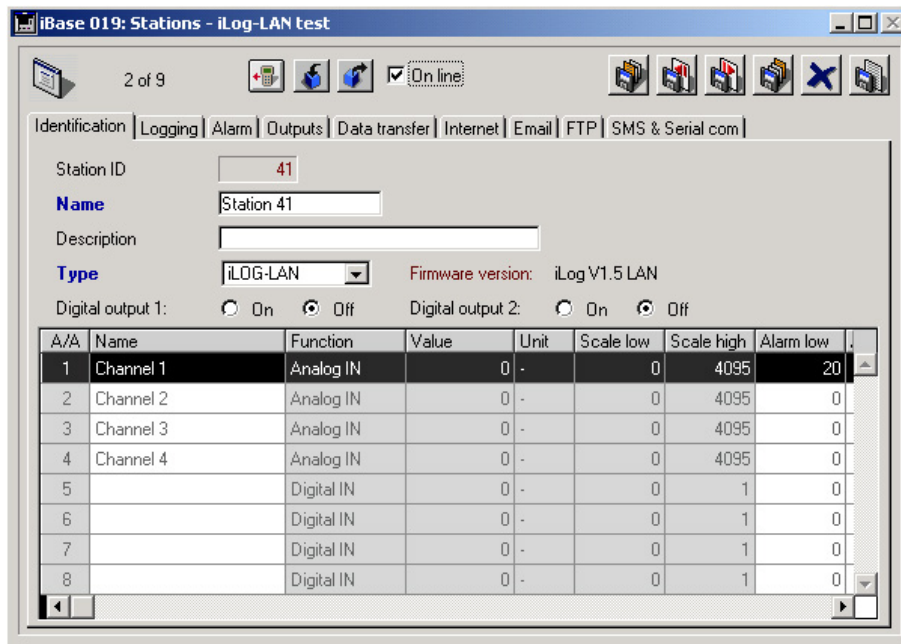


Go to the form page 'Internet' by clicking on the respective tab and set an IP address for the station.





Go back to the first form page and click on the 'On line' check box.

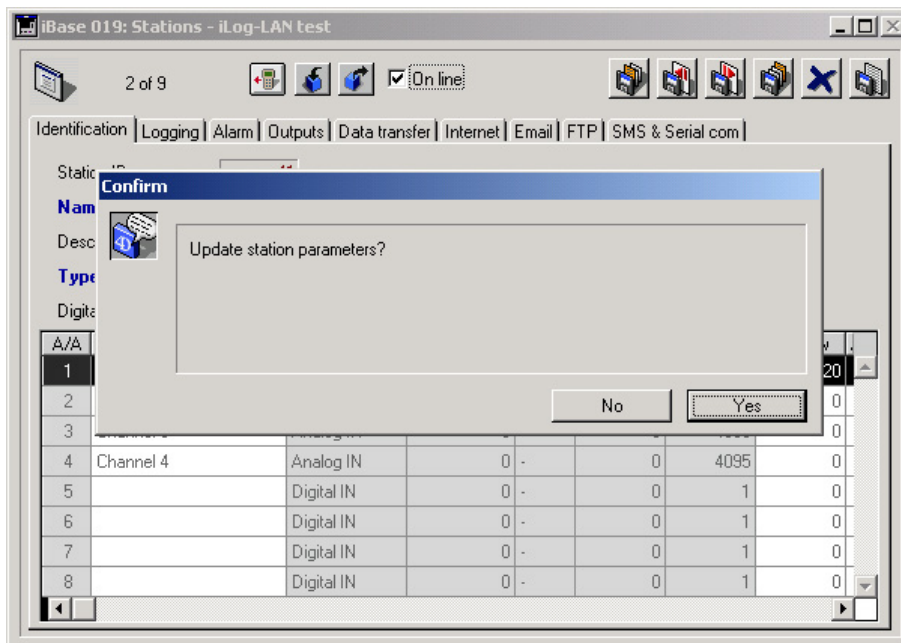
6.2 Uploading station parameters



A/A	Name	Function	Value	Unit	Scale low	Scale high	Alarm low
1	Channel 1	Analog IN	0	-	0	4095	20
2	Channel 2	Analog IN	0	-	0	4095	0
3	Channel 3	Analog IN	0	-	0	4095	0
4	Channel 4	Analog IN	0	-	0	4095	0
5		Digital IN	0	-	0	1	0
6		Digital IN	0	-	0	1	0
7		Digital IN	0	-	0	1	0
8		Digital IN	0	-	0	1	0

Click on  to read the current measurements.


Click on  to commission command the unit.

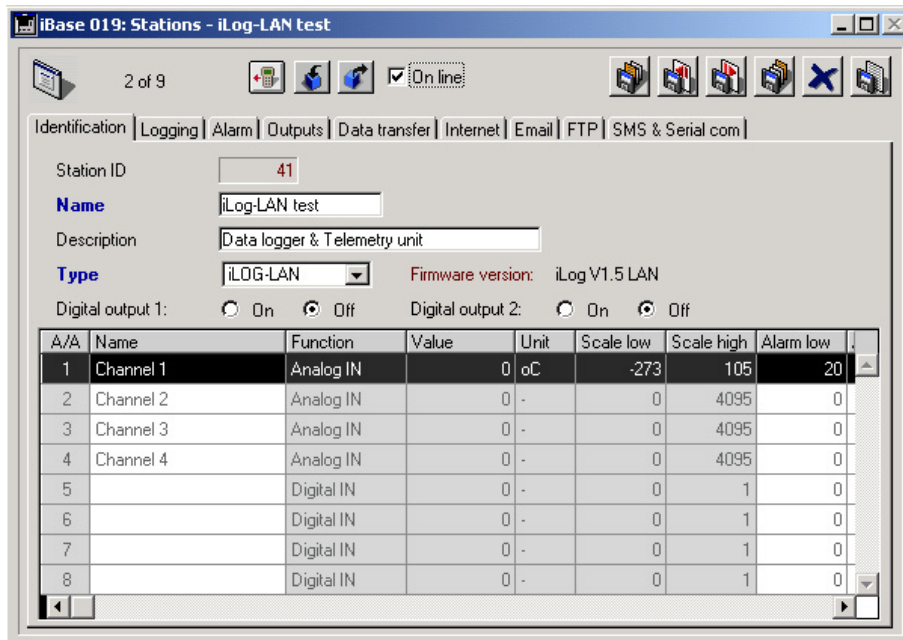
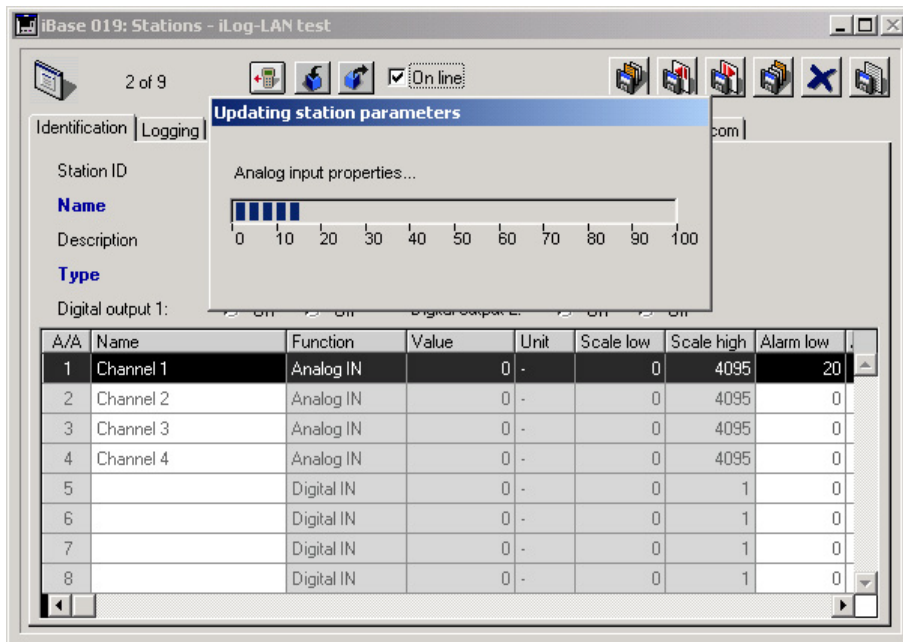


Confirm

Update station parameters?


No Yes

Click on the  button to upload station parameters from the iLOG unit.



6.3 Getting the real time measurements

A/A	Name	Function	Value	Unit	Scale low	Scale high	Alarm low
1	Channel 1	Analog IN	30.1	oC	-273	105	20
2	Channel 2	Analog IN	0	-	0	4095	0
3	Channel 3	Analog IN	0	-	0	4095	0
4	Channel 4	Analog IN	0	-	0	4095	0
5		Digital IN	0	-	0	1	0
6		Digital IN	0	-	0	1	0
7		Digital IN	0	-	0	1	0
8		Digital IN	0	-	0	1	0

Open the station for editing and click on the  button.

The 'Values' column of the channel list on the first form is updated with the real time measurements.

6.4 Commissioning the iLOG unit

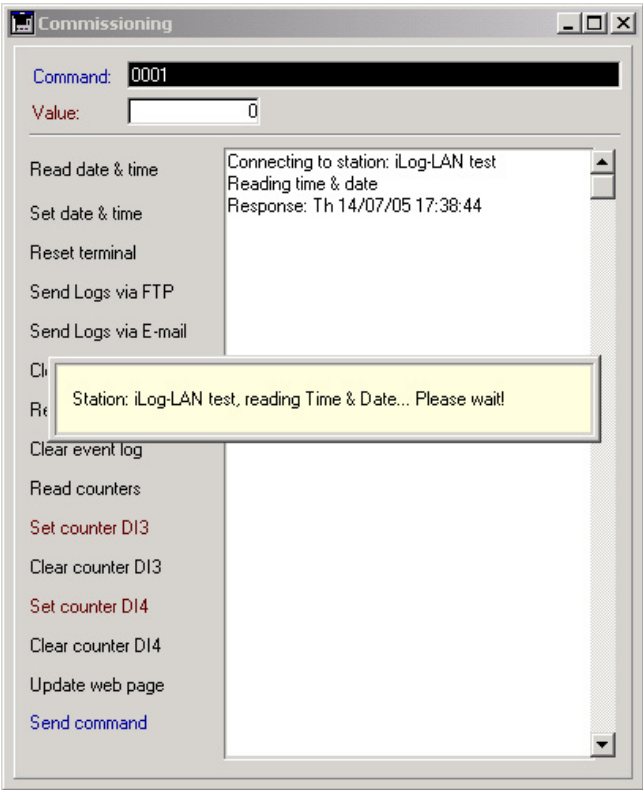
Command: 0001
Value: 0

- Read date & time
- Set date & time
- Reset terminal
- Send Logs via FTP
- Send Logs via E-mail
- Clear FIFO
- Read event log
- Clear event log
- Read counters
- Set counter DI3
- Clear counter DI3
- Set counter DI4
- Clear counter DI4
- Update web page
- Send command

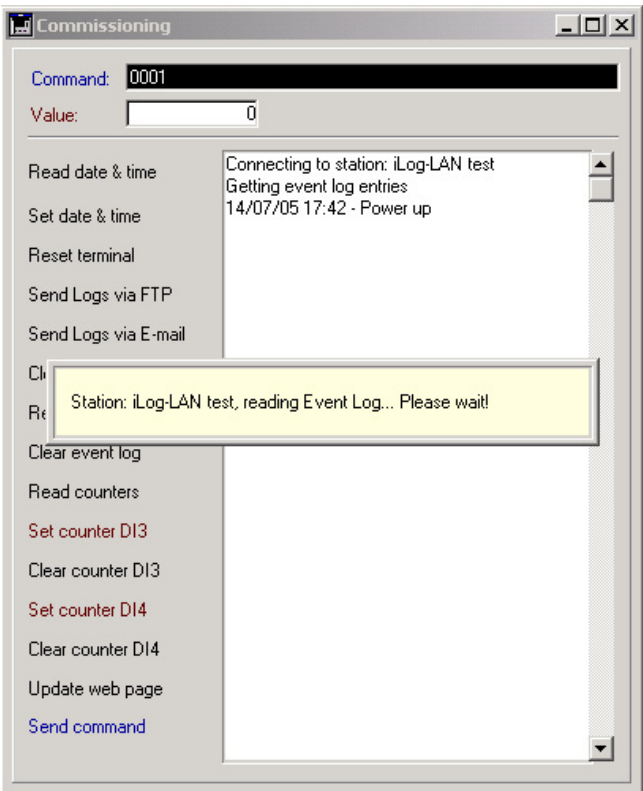
Following actions can be taken, by clicking on the subsequent string on the commissioning panel:

- Read the iLOG time & date (RTC).
- Set the unit real time clock to the host computer date and time.
- Reset the iLOG unit.
- Command the unit to send logged data via FTP.
- Command the unit to send logged data via Email.
- Read the event log records.
- Clear measurement data (FIFO).
- Clear the event log entries.
- Set and clear the unit counters.
- Command the unit to update the internal web page.
- Send a SOAP command (Refer to the iLOG User guide, Section 8.5).

Examples:

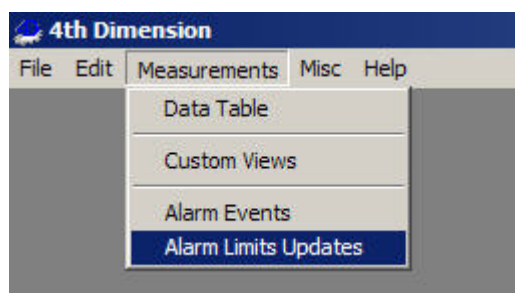


Reading Date & time.




Reading the event log.

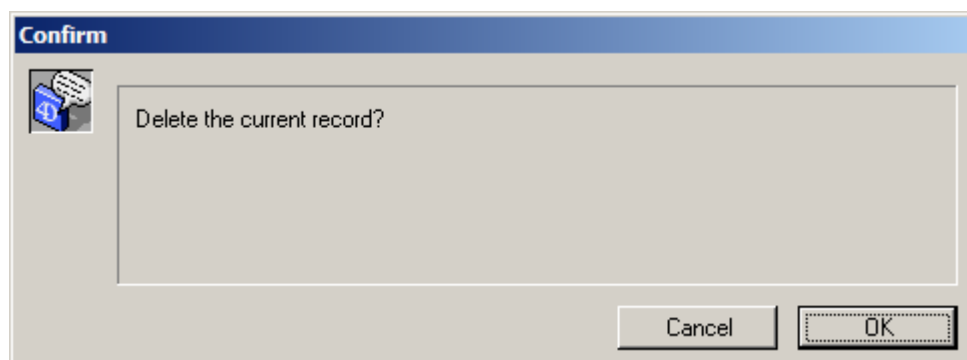
7. Alarm Limits Updates



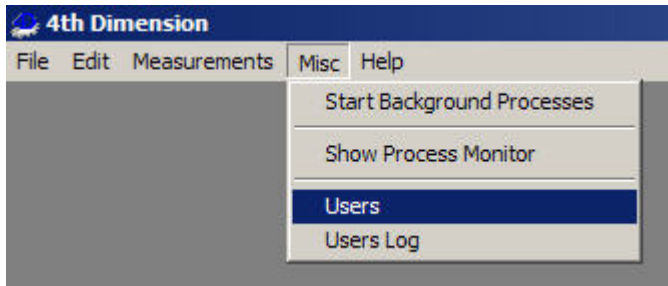
The screenshot shows the 'Alarm Limits Updates: Default view' window. It features a toolbar with icons for navigation and actions. Below the toolbar, it indicates 'Records: 10 in file, 10 in list'. The main area contains a table with the following data:

Key	Station Name	Channel Code	Channel Name	Date	Time	Low Or High	Value	User Name
2	iLogPlus-LAN-01	1	Temperature 1	02/11/2009	15:23:31	Alarm High	45.00	Administrator
1	iLogPlus-LAN-01	1	Temperature 1	02/11/2009	15:23:31	Alarm Low	5.00	Administrator
4	iLogPlus-LAN-01	2	Temperature 2	02/11/2009	15:23:32	Alarm High	45.00	Administrator
3	iLogPlus-LAN-01	2	Temperature 2	02/11/2009	15:23:32	Alarm Low	5.00	Administrator
6	iLogPlus-LAN-01	3	Relative Humidity	02/11/2009	15:23:32	Alarm High	80.00	Administrator
5	iLogPlus-LAN-01	3	Relative Humidity	02/11/2009	15:23:32	Alarm Low	10.00	Administrator
8	iLogPlus-LAN-01	4	Channel 4	02/11/2009	15:23:32	Alarm High	4,095.00	Administrator
7	iLogPlus-LAN-01	4	Channel 4	02/11/2009	15:23:32	Alarm Low	0.00	Administrator
10	iLogPlus-LAN-01	203	Power supply voltage	02/11/2009	15:23:32	Alarm High	24.00	Administrator
9	iLogPlus-LAN-01	203	Power supply voltage	02/11/2009	15:23:32	Alarm Low	8.00	Administrator

You can delete a record with the button  :



8. Users



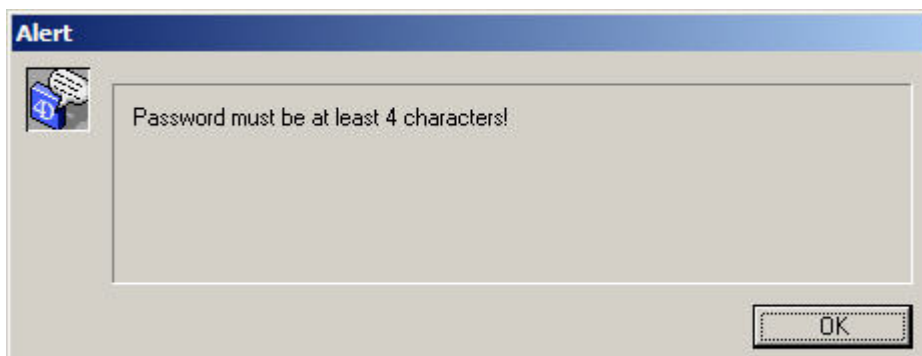
The screenshot shows the 'Users: Default view' window. It contains a table with the following data:

User ID	User Code	User Name	Administrator Or View Only	Create Date	Last Edit Date
1	Admin	Administrator	Administrator	27/10/2009	00/00/00

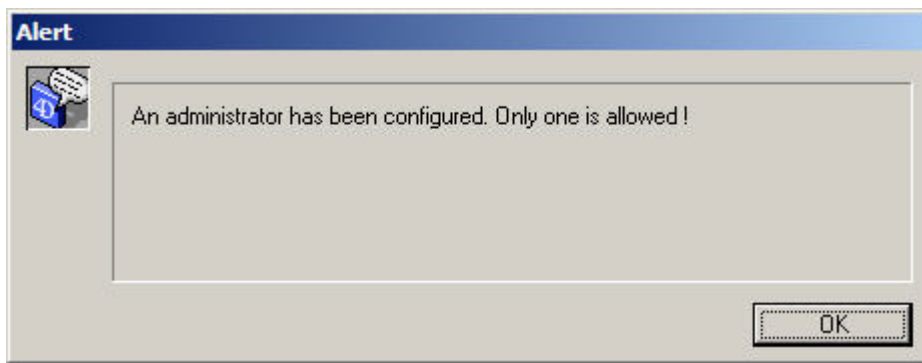
The screenshot shows the 'iBase Plus 008: Users - Administrator' form. It contains the following fields and options:

- User ID: 1
- User Code: Admin
- User Name: Administrator
- Password: (empty)
- Admin or View Only: ☒ Administrator ☐ ViewOnly

Password must be at least 4 characters. If it is not 4 characters the following alert appears :



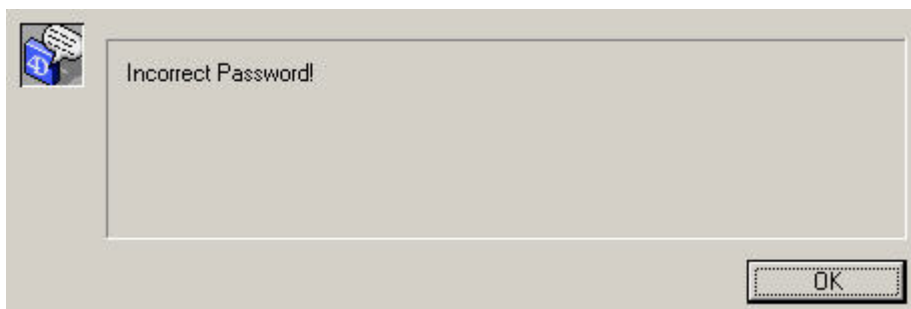
If you try to have more than one administrator the following alert appears :



When the application starts the following form appears to select the user :

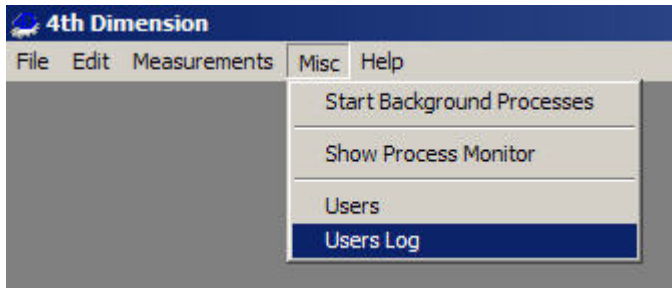


If you write wrong password the following alert appears :



If you press the button  the application quits.

9. Users Log



Users Log: Default view

Records: 29 in file, 29 in list

Key	User ID	User Code	User Name	Log Date	Log Time	Log Type	Log Description
29	1	Admin	Administrator	02/11/2009	15:35:32	Edit Log	Users form button Accept, [Users]UserID:2
28	1	Admin	Administrator	02/11/2009	15:28:43	Edit Log	Users form button Accept, [Users]UserID:1
27	1	Admin	Administrator	02/11/2009	15:27:55	Edit Log	Users form button Accept, [Users]UserID:1
26	1	Admin	Administrator	02/11/2009	15:26:11	Login Log	Login Form, Login as User:Administrator
25	1	Admin	Administrator	02/11/2009	15:24:55	Create Log	Start Background Processes, Intranet Transfer(QA_IntranetReceive):1
24	1	Admin	Administrator	02/11/2009	15:24:48	Create Log	Start Background Processes, Intranet Transfer(QA_IntranetReceive):1
23	1	Admin	Administrator	02/11/2009	15:24:37	Create Log	Start Background Processes, Intranet Transfer(QA_IntranetReceive):1
22	1	Admin	Administrator	02/11/2009	15:24:26	Create Log	Start Background Processes, Intranet Transfer(QA_IntranetReceive):1
21	1	Admin	Administrator	02/11/2009	15:24:14	Create Log	Start Background Processes, Intranet Transfer(QA_IntranetReceive):1
20	1	Admin	Administrator	02/11/2009	15:24:03	Create Log	Start Background Processes, Intranet Transfer(QA_IntranetReceive):1
19	1	Admin	Administrator	02/11/2009	15:23:53	Create Log	Start Background Processes, Intranet Transfer(QA_IntranetReceive):1
18	1	Admin	Administrator	02/11/2009	15:23:42	Create Log	Start Background Processes, Intranet Transfer(QA_IntranetReceive):1
17	1	Admin	Administrator	02/11/2009	15:22:44	Edit Log	Stations form button Accept, [Stations]
16	1	Admin	Administrator	02/11/2009	15:20:29	Login Log	Login Form, Login as User:Administrator
15	1	Admin	Administrator	02/11/2009	15:15:21	Create Log	New Station, [Stations]CreateUserID:1, [Stations]SID:1
14	1	Admin	Administrator	02/11/2009	15:10:50	Login Log	Login Form, Login as User:Administrator
13	1	Admin	Administrator	02/11/2009	15:01:41	Login Log	Login Form, Login as User:Administrator
12	1	Admin	Administrator	02/11/2009	14:56:17	Login Log	Login Form, Login as User:Administrator
11	1	Admin	Administrator	27/10/2009	11:01:10	Create Log	Main Parameters, [Alarm_Types] 3
10	1	Admin	Administrator	27/10/2009	11:01:10	Create Log	Main Parameters, [Alarm_Types] 2
9	1	Admin	Administrator	27/10/2009	11:01:10	Create Log	Main Parameters, [Alarm_Types] 1
8	1	Admin	Administrator	27/10/2009	11:01:10	Create Log	Main Parameters, [Station_Types]CreateUserID:1, [Station_Types]Type:
7	1	Admin	Administrator	27/10/2009	11:01:10	Create Log	Main Parameters, [Station_Types]CreateUserID:1, [Station_Types]Type:
6	1	Admin	Administrator	27/10/2009	11:01:10	Create Log	Main Parameters, [Station_Types]CreateUserID:1, [Station_Types]Type:
5	1	Admin	Administrator	27/10/2009	11:01:10	Create Log	Main Parameters, [Channel_Function]CreateUserID:1, [Channel_Functio

10. Appendix

10.1 Data transfer formats

10.1.1 File name

The data files are named according to the following convention:

Station Name_MMDD_hhmm

Where:

MM: month, DD: day, hh: hour, mm: minute

Example: iLog01_0424_1222.xls

10.1.2 File format

The TSV format (Tab separated format) is used for data file transfer.

Example: Two channels logged in one record.

Station	iLog01								
AI1	Temp 1								
AI2	Temp 2								
DI1	Chiller1								
DI4	Chiller4								
DATE	TIME	AI1	AI2	ALARM1	ALARM2	DI1	DI2	DI3	DI4
24/4/2004	11:15:00	-3.1	-4.6			0	0	0	1
24/4/2004	11:30:00	-2.9	-4.2			0	0	0	1
24/4/2004	11:45:00	-3.0	-4.7			0	0	0	1
24/4/2004	12:00:00	-2.8	-4.5			0	0	0	1
24/4/2004	12:15:00	-3.2	-4.6			0	0	0	1
ALARM LIST									
DATE	TIME	CHANNEL	TYPE						
24/4/2004	12:15:56	DI4	L						
24/4/2004	12:17:26	DI1	H						
24/4/2004	12:18:30	AI1	H						
24/4/2004	12:18:34	AI2	H						
24/4/2004	12:19:24	AI1	A						
24/4/2004	12:19:24	AI2	A						
24/4/2004	12:19:24	DI1	A						
24/4/2004	12:19:24	DI4	A						
24/4/2004	12:20:00	DI1	H						
24/4/2004	12:20:00	DI4	L						
24/4/2004	12:20:54	DI1	A						
24/4/2004	12:20:54	DI4	A						

Separated logging

Station	iLog01							
AI1	Temp 1							
AI2	Temp 2							
DI1	Chiller1							
DI4	Chiller2							
DATE	TIME	CHANNEL	VALUE	ALARM	DI1	DI2	DI3	DI4
24/4/2004	13:15:00	1	-4.2		0	0	0	1
24/4/2004	13:15:00	2	-8.4		0	0	0	1
24/4/2004	13:30:00	1	-3.8		0	0	0	1
24/4/2004	13:30:00	2	-9.2	H	0	0	0	1
24/4/2004	14:00:00	1	-3.9		0	0	0	1
24/4/2004	14:00:00	2	-6.8		0	0	0	1
ALARM LIST								
DATE	TIME	CHANNEL	TYPE					
24/4/2004	13:15:56	DI4	L					
24/4/2004	13:17:26	DI1	H					
24/4/2004	13:18:30	AI1	H					
24/4/2004	13:19:24	AI1	A					
24/4/2004	13:19:24	DI1	A					
24/4/2004	13:19:24	DI4	A					
24/4/2004	13:20:00	DI1	H					
24/4/2004	13:20:00	DI4	L					
24/4/2004	13:20:54	DI1	A					
24/4/2004	13:20:54	DI4	A					

10.1.3 Alarm annunciation formats

Alarm message (e-mail body, SMS)

iLog-Test Channel 2 High Alarm

Alarm acknowledgment report message (e-mail body, SMS)

iLog-Test 3 alarms acknowledged (channels: 1, 2, 3)