Supplement to manual

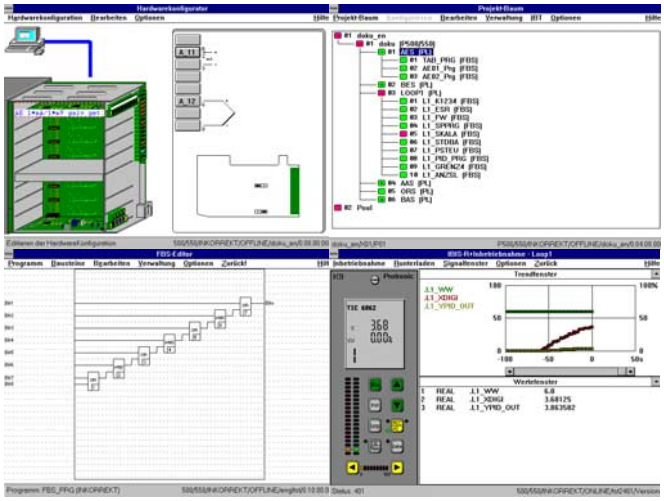
42/62-50030Z3 EN

ControlIT

IBIS-R+ Archiving

Configuration and parameter setting software
for Protronic 100/500/550, Digitric 100/500
since version 1.00.0366

IndustrialIT enabled



ABB

IBIS -R+: Archving
Configuration and parameter setting software for Protronic 100/500/550 and Digitric 100/500 since version 1.00.0366

Supplement to manual

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IBIS R+: Library 3.6.0

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1 Function description Archiving

In the Digitric/Protronic configuration software IBIS-R+ an archiving function will be available from version 1.00.0366 onwards. It will allow you to make a continuous recording of process and controller values of each loop during the commissioning phase (COM). The IBIS-R+-Log-File (.ilf) can be managed with the file browser. Corresponding spread-sheet programs (e. g. Excel) are used to evaluate respectively process the data..

2 Procedure

1 With → ***COM*** you will get into the **Commissioning modus**, s. Fig. 2-1.

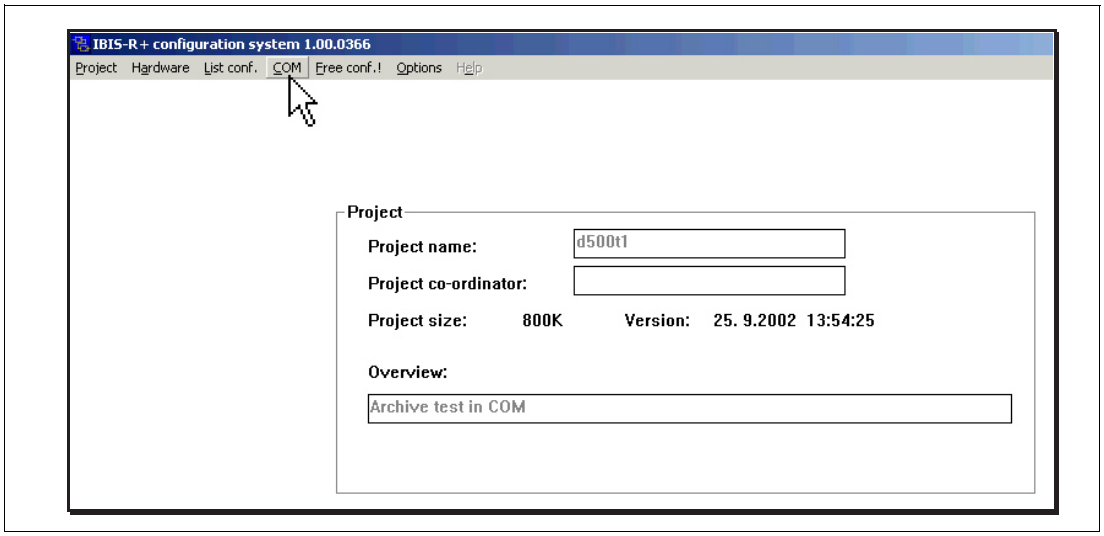

Fig. 2-1

2 Under ***Commissioning*** you find in the selection → ***Archive...***, s. Fig. 2-2.

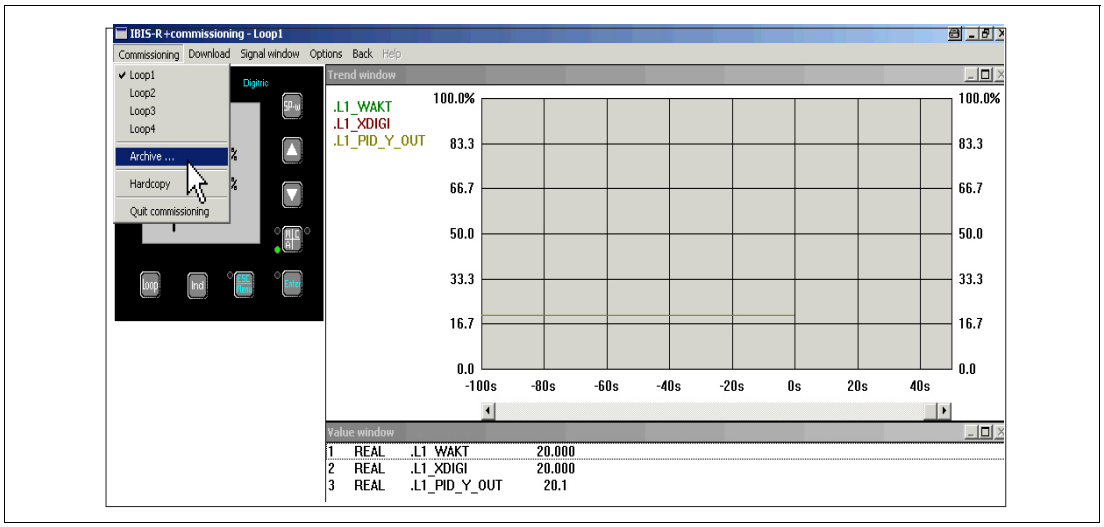

Fig. 2-2

3 Choose those control loops in the "archiving window" you would like to record, s. Fig. 2-3. All variables (signals) defined before in the "value window" of the corresponding control loop are now being archived, independent of the momentarily observed loop.

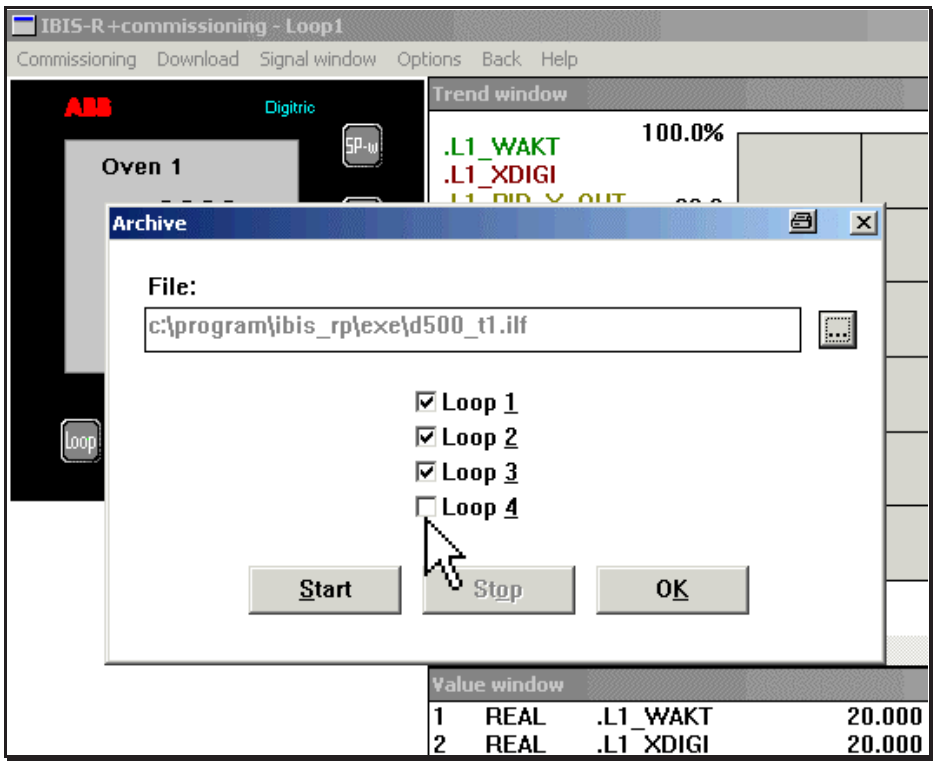

Fig. 2-3

4 Name and locate the Log-File, where the data shall be collected. You can place the Log-File directly into an existing folder. Or you create a new folder using the file browser where you want the Log-Files located later on. After pressing → [...], s. Fig. 2-4, the "Storing-logfile!-window" opens, s. Fig. 2-5. Here you can name the archiving file and choose for where to store it.

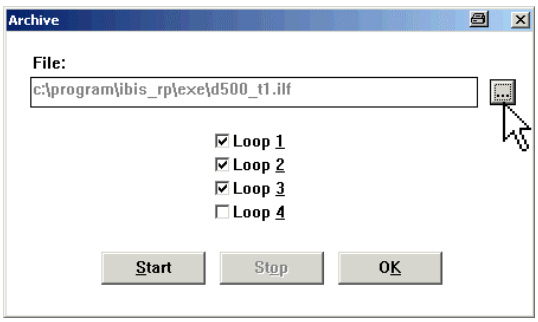

Fig. 2-4

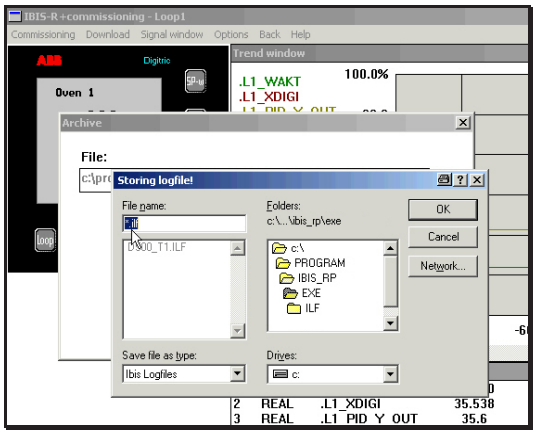

Fig. 2-5

5 To start the archiving with → **[Start]** and with → **[OK]** you close the dialog, s. Fig. 2-6. and Fig. 2-7. To pause or stop the recording → **[Stop]** and to close the dialog again with → **[OK]** if necessary.

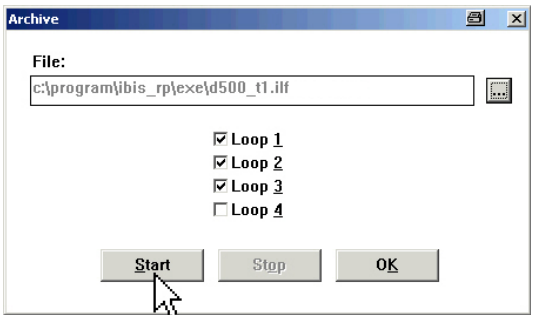

Fig. 2-6

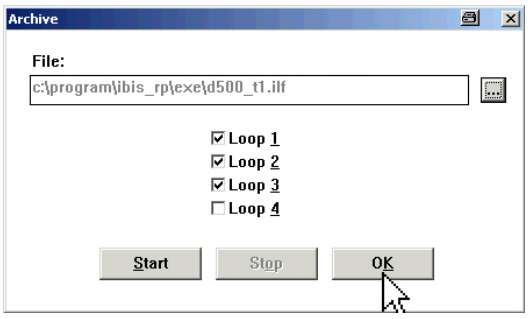

Fig. 2-7

3 Explanations

Status
See the status bar (caption) for the momentarily recorded loops (in brackets), see Fig. 3-1. The term in brackets is no longer present as soon as the recording is interrupted or stopped.

Fig. 3-1

Data recording
The Recording of data happens in the IBIS-R+-Log-File named by yourself (s. chapter 2, section "4"). When the recording is interrupted and restarted again, data will be added to the end of the file, without overwriting the existing data. This is independent of the momentarily connected controller. The same happens, when IBIS-R+ is restarted and the "old" file name is used!

Create a new data file
A new data file is created by finding a new file name (same procedure as in chapter 2, section "4" described).

Data structure
Data is being sampled in tables and can be evaluated with the help of spread-sheet programs. The first row determines variable respectively signal names of each controller loop, e. g. .L1_WAKT or .L2_XDIGI etc. The variables are sorted in the same order beginning with loop 1 up to loop 4 as defined in the "value window". See Fig. 3-2.

DATE	TIME	.L1_WAKT	.L1_XDIGI	.L1_PID_Y_O	.L2_WAKT	.L2_XDIGI	.L2_PID_Y_O	.L3_WAKT	.L3_XDIGI	.L3_PID_Y_O

Fig. 3-2

In the first column the recording date can be find, the format is *year month day*. The second column includes the time in *hours minutes seconds*, s. Fig. 3-3.

DATE	TIME
2002.09.18	12:18:24
2002.09.18	12:18:25
2002.09.18	12:20:40
2002.09.18	12:20:41

Fig. 3-3

With each new controller variable in the "value window" a new line with the variable name is inserted into the table giving you the new attachment. The new variables are sorted into the corresponding loop and the remaining data is being moved to the right, s. Fig. 3-4. Please carefully pay attention to this when importing data into a spread-sheet program!

60	408	50,00043	10	1020	0		
.L3_WAKT	.L3_XDIGI	.L3_PID_Y_OUT	.L3_REGLER_AUTO	.L3_REGLER_MAN	.L4_WAKT	.L4_XDIGI	.L4_PID_Y_OUT
60	408	50,00043	0	1	10	1020	0

Fig. 3-4

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