USER MANUAL





applied solution for the application

7.10.7) DESCRIPTION OF PROBE

7.10.8) MAX. TEMP.

page 9

Index

		7.10.8) MAX. TEMP.	page 9
		7.10.9) MIN. TEMP.	page 9
		7.11) SET EXT. TEMP.	page 10
General description		7.11.1) Probe ON Probe OFF	page 10
General description	page 3	7.11.2) PROBE NO.	page 10
-	FO	7.11.3) MUX NO.	page 10
Installing the programm		7.11.4) PROBE DESCRIPTION	page 10
Installing the program	page 3	7.11.5) NEXT	page 10
	1.0	7.11.6) PREV. 7.11.7) QUIT	page 10 page 10
Operating function		7.12) SET MIN/MAX	page 10 page 11
OPERATING FUNCTIONS	page 4	7.12.1) MIN	page 11 page 11
Functions buttons and windows		7.12.2) MAX	page 11
		7.12.3) Cancel	page 11
INPUT BOXES	page 5	7.12.4) OK	page 11
SCROLL BAR	page 5	7.13) INIT PROBES	page 11
SWITCH KEYS	page 5	7.14) PRINT CONFIG	page 11
PC requirements		7.15) END	page 11
-	_	7.2) Max. no. of probes	page 8
Minimum PC requirements	page 5	7.3) Language	page 8
PC operating system requirements	page 5	7.4) Screen Resolution	page 8
Program files		7.5) Relaies outputs	page 8
6	-	7.6) Printer	page 8
Files Making Up the Program	page 5	7.7) Floating window	page 8
Description of button		7.8) Menù bar 7.9) History	page 8 page 8
	maga	· •	page o
Description of Buttons on the Main Screen	page 6	Time table	
1) SCAN TEMP.	page 6		nage 12
1) SCAN TEMP. 10) PAGE SELECT	page 6 page 13	8) SET TIME TABLE	page 12 page 12
1) SCAN TEMP. 10) PAGE SELECT 11) END	page 6 page 13 page 13	8) SET TIME TABLE 8.1) TIMETABLE SCANNING MODE	page 12
1) SCAN TEMP. 10) PAGE SELECT 11) END 2) ZOOM	page 6 page 13 page 13 page 6	8) SET TIME TABLE 8.1) TIMETABLE SCANNING MODE 8.2) CONTINUOUS SCANNING MODE	page 12 page 12
 SCAN TEMP. PAGE SELECT END ZOOM TURN OFF ALARMS 	page 6 page 13 page 13 page 6 page 7	8) SET TIME TABLE 8.1) TIMETABLE SCANNING MODE	page 12 page 12 page 12
1) SCAN TEMP. 10) PAGE SELECT 11) END 2) ZOOM	page 6 page 13 page 13 page 6 page 7 page 7	 8) SET TIME TABLE 8.1) TIMETABLE SCANNING MODE 8.2) CONTINUOUS SCANNING MODE 8.2.1) Continuous scanning 	page 12 page 12
 SCAN TEMP. PAGE SELECT END ZOOM TURN OFF ALARMS PRINT ALARMS 	page 6 page 13 page 13 page 6 page 7	 8) SET TIME TABLE 8.1) TIMETABLE SCANNING MODE 8.2) CONTINUOUS SCANNING MODE 8.2.1) Continuous scanning 8.2.2) Scanning time interval 8.3) End 	page 12 page 12 page 12 page 12 page 12
 SCAN TEMP. PAGE SELECT END ZOOM TURN OFF ALARMS PRINT ALARMS PRINT PROBES 	page 6 page 13 page 13 page 6 page 7 page 7 page 7	 8) SET TIME TABLE 8.1) TIMETABLE SCANNING MODE 8.2) CONTINUOUS SCANNING MODE 8.2.1) Continuous scanning 8.2.2) Scanning time interval 	page 12 page 12 page 12 page 12 page 12
 SCAN TEMP. PAGE SELECT END ZOOM TURN OFF ALARMS PRINT ALARMS PRINT PROBES PRINT SCREEN 	page 6 page 13 page 13 page 6 page 7 page 7 page 7 page 7	 8) SET TIME TABLE 8.1) TIMETABLE SCANNING MODE 8.2) CONTINUOUS SCANNING MODE 8.2.1) Continuous scanning 8.2.2) Scanning time interval 8.3) End 	page 12 page 12 page 12 page 12 page 12
 SCAN TEMP. PAGE SELECT END ZOOM TURN OFF ALARMS PRINT ALARMS PRINT PROBES PRINT SCREEN SETUP 	page 6 page 13 page 13 page 6 page 7 page 7 page 7 page 7 page 7 page 7	 8) SET TIME TABLE 8.1) TIMETABLE SCANNING MODE 8.2) CONTINUOUS SCANNING MODE 8.2.1) Continuous scanning 8.2.2) Scanning time interval 8.3) End Zoom 2) ZOOM 2.1) NEXT PROBE/PREVIOUS PROBE 	page 12 page 12 page 12 page 12 page 12 page 12
 SCAN TEMP. PAGE SELECT END ZOOM TURN OFF ALARMS PRINT ALARMS PRINT PROBES PRINT SCREEN SET UP SET TIME TABLE EXTERNAL TEMP. 	page 6 page 13 page 13 page 6 page 7 page 7 page 7 page 7 page 7 page 7 page 7 page 12	 8) SET TIME TABLE 8.1) TIMETABLE SCANNING MODE 8.2) CONTINUOUS SCANNING MODE 8.2.1) Continuous scanning 8.2.2) Scanning time interval 8.3) End Zoom 2) ZOOM 2.1) NEXT PROBE/PREVIOUS PROBE 2.2) Probe / Mux / Ch 	page 12 page 12 page 12 page 12 page 12 page 12
 SCAN TEMP. PAGE SELECT END ZOOM TURN OFF ALARMS PRINT ALARMS PRINT PROBES PRINT SCREEN SET TIME TABLE EXTERNAL TEMP. System setup	page 6 page 13 page 13 page 6 page 7 page 7 page 7 page 7 page 7 page 7 page 7 page 12	 8) SET TIME TABLE 8.1) TIMETABLE SCANNING MODE 8.2) CONTINUOUS SCANNING MODE 8.2.1) Continuous scanning 8.2.2) Scanning time interval 8.3) End Zoom 2) ZOOM 2.1) NEXT PROBE/PREVIOUS PROBE 2.2) Probe / Mux / Ch 2.3) MUX Version 	page 12 page 12 page 12 page 12 page 12 page 12 page 6 page 6 page 6 page 6 page 6
 SCAN TEMP. PAGE SELECT END ZOOM TURN OFF ALARMS PRINT ALARMS PRINT PROBES PRINT SCREEN SET UP SET TIME TABLE EXTERNAL TEMP. System setup 7) SETUP	page 6 page 13 page 13 page 6 page 7 page 7 page 7 page 7 page 7 page 7 page 12 page 13	 8) SET TIME TABLE 8.1) TIMETABLE SCANNING MODE 8.2) CONTINUOUS SCANNING MODE 8.2.1) Continuous scanning 8.2.2) Scanning time interval 8.3) End 200M 2.1) NEXT PROBE/PREVIOUS PROBE 2.2) Probe / Mux / Ch 2.3) MUX Version 2.4) Trend 	page 12 page 12 page 12 page 12 page 12 page 12 page 6 page 6 page 6 page 6 page 6 page 6
 SCAN TEMP. PAGE SELECT PAGE SELECT END ZOOM TURN OFF ALARMS PRINT ALARMS PRINT PROBES PRINT SCREEN SET UP SET TIME TABLE EXTERNAL TEMP. System setup 7) SETUP 7.1 COM port	page 6 page 13 page 13 page 6 page 7 page 7 page 7 page 7 page 7 page 12 page 13 page 7 page 7	 8) SET TIME TABLE 8.1) TIMETABLE SCANNING MODE 8.2) CONTINUOUS SCANNING MODE 8.2.1) Continuous scanning 8.2.2) Scanning time interval 8.3) End Zoom 2) ZOOM 2.1) NEXT PROBE/PREVIOUS PROBE 2.2) Probe / Mux / Ch 2.3) MUX Version 	page 12 page 12 page 12 page 12 page 12 page 12 page 6 page 6 page 6 page 6 page 6
 SCAN TEMP. PAGE SELECT PAGE SELECT END ZOOM TURN OFF ALARMS PRINT ALARMS PRINT PROBES PRINT SCREEN SET TIME TABLE EXTERNAL TEMP. System setup 7) SETUP 7.1 COM port 7.10) SETUP PROBES	page 6 page 13 page 13 page 6 page 7 page 7 page 7 page 7 page 7 page 7 page 12 page 13 page 7 page 7 page 7 page 7 page 2 page 9	 8) SET TIME TABLE 8.1) TIMETABLE SCANNING MODE 8.2) CONTINUOUS SCANNING MODE 8.2.1) Continuous scanning 8.2.2) Scanning time interval 8.3) End 2) ZOOM 2.1) NEXT PROBE/PREVIOUS PROBE 2.2) Probe / Mux / Ch 2.3) MUX Version 2.4) Trend 2.5) QUIT 	page 12 page 12 page 12 page 12 page 12 page 12 page 6 page 6 page 6 page 6 page 6 page 6
 SCAN TEMP. PAGE SELECT PAGE SELECT END ZOOM TURN OFF ALARMS PRINT ALARMS PRINT PROBES PRINT SCREEN SET TIME TABLE EXTERNAL TEMP. System setup 7) SETUP 7.1 COM port 7.10 SETUP PROBES 7.10.1 Probe ON Probe OFF	page 6 page 13 page 13 page 6 page 7 page 7 page 7 page 7 page 7 page 7 page 12 page 13 page 7 page 7 page 7 page 7 page 7 page 9 page 9 page 9	 8) SET TIME TABLE 8.1) TIMETABLE SCANNING MODE 8.2) CONTINUOUS SCANNING MODE 8.2.1) Continuous scanning 8.2.2) Scanning time interval 8.3) End Zoom 2) ZOOM 2.1) NEXT PROBE/PREVIOUS PROBE 2.2) Probe / Mux / Ch 2.3) MUX Version 2.4) Trend 2.5) QUIT Warranty	page 12 page 12 page 12 page 12 page 12 page 6 page 6 page 6 page 6 page 6 page 6 page 6
 SCAN TEMP. PAGE SELECT PAGE SELECT END ZOOM TURN OFF ALARMS PRINT ALARMS PRINT PROBES PRINT SCREEN SET TIME TABLE EXTERNAL TEMP. System setup 7) SETUP 7.1) COM port 7.10) SETUP PROBES 7.10.1) Probe ON Probe OFF 7.10.10) NEXT	page 6 page 13 page 13 page 6 page 7 page 7 page 7 page 7 page 7 page 7 page 12 page 13 page 13 page 8 page 9 page 9 page 9 page 9	 8) SET TIME TABLE 8.1) TIMETABLE SCANNING MODE 8.2) CONTINUOUS SCANNING MODE 8.2.1) Continuous scanning 8.2.2) Scanning time interval 8.3) End 2) ZOOM 2.1) NEXT PROBE/PREVIOUS PROBE 2.2) Probe / Mux / Ch 2.3) MUX Version 2.4) Trend 2.5) QUIT 	page 12 page 12 page 12 page 12 page 12 page 12 page 6 page 6 page 6 page 6 page 6 page 6
 SCAN TEMP. PAGE SELECT PAGE SELECT END ZOOM TURN OFF ALARMS PRINT ALARMS PRINT PROBES PRINT SCREEN SET TIME TABLE EXTERNAL TEMP. System setup 7) SETUP 7.1 COM port 7.10. SETUP PROBES 7.10.1) Probe ON Probe OFF 7.10.10) NEXT 7.10.11) PREVIOUS	page 6 page 13 page 13 page 6 page 7 page 7 page 7 page 7 page 7 page 12 page 13 page 7 page 13 page 9 page 9 page 9 page 9 page 9	8) SET TIME TABLE 8.1) TIMETABLE SCANNING MODE 8.2) CONTINUOUS SCANNING MODE 8.2.1) Continuous scanning 8.2.2) Scanning time interval 8.3) End Zoom 2) ZOOM 2.1) NEXT PROBE/PREVIOUS PROBE 2.2) Probe / Mux / Ch 2.3) MUX Version 2.4) Trend 2.5) QUIT Warranty AGRITHERM40WIN Warranty	page 12 page 12 page 12 page 12 page 12 page 6 page 6 page 6 page 6 page 6 page 6 page 6
 SCAN TEMP. PAGE SELECT PAGE SELECT END ZOOM TURN OFF ALARMS PRINT ALARMS PRINT PROBES PRINT SCREEN SET UP SET TIME TABLE EXTERNAL TEMP. System setup 7) SETUP 7.1 COM port 7.10) SETUP PROBES 7.10.1 Probe ON Probe OFF 7.10.11) PREVIOUS 7.10.12) END	page 6 page 13 page 13 page 6 page 7 page 7 page 7 page 7 page 7 page 12 page 13 page 7 page 13 page 9 page 9 page 9 page 9 page 9 page 9 page 9	8) SET TIME TABLE 8.1) TIMETABLE SCANNING MODE 8.2) CONTINUOUS SCANNING MODE 8.2.1) Continuous scanning 8.2.2) Scanning time interval 8.3) End Zoom 2) ZOOM 2.1) NEXT PROBE/PREVIOUS PROBE 2.2) Probe / Mux / Ch 2.3) MUX Version 2.4) Trend 2.5) QUIT Warranty AGRITHERM40WIN Warranty	page 12 page 12 page 12 page 12 page 12 page 12 page 6 page 6 page 6 page 6 page 6 page 6 page 6 page 6 page 6
 SCAN TEMP. PAGE SELECT PAGE SELECT END ZOOM TURN OFF ALARMS PRINT ALARMS PRINT PROBES PRINT SCREEN SET UP SET TIME TABLE EXTERNAL TEMP. System setup 7) SETUP 7.1 COM port 7.10 SETUP PROBES 7.10.1 Probe ON Probe OFF 7.10.11) PREVIOUS 7.10.12) END 7.10.2 PROBE NO.	page 6 page 13 page 13 page 6 page 7 page 7 page 7 page 7 page 7 page 7 page 12 page 13 page 13 page 8 page 9 page 9 page 9 page 9 page 9 page 9 page 9 page 9 page 9	8) SET TIME TABLE 8.1) TIMETABLE SCANNING MODE 8.2) CONTINUOUS SCANNING MODE 8.2.1) Continuous scanning 8.2.2) Scanning time interval 8.3) End Zoom 2) ZOOM 2.1) NEXT PROBE/PREVIOUS PROBE 2.2) Probe / Mux / Ch 2.3) MUX Version 2.4) Trend 2.5) QUIT Warranty AGRITHERM40WIN Warranty	page 12 page 12 page 12 page 12 page 12 page 6 page 6 page 6 page 6 page 6 page 6 page 6
 SCAN TEMP. PAGE SELECT PAGE SELECT END ZOOM TURN OFF ALARMS PRINT ALARMS PRINT PROBES PRINT SCREEN SET TIME TABLE EXTERNAL TEMP. System setup 7) SETUP 7.1 COM port 7.10 SETUP PROBES 7.10.1 Probe ON Probe OFF 7.10.10 NEXT 7.10.11 PREVIOUS 7.10.12 END 7.10.2 PROBE NO. 7.10.3 MUX NO.	page 6 page 13 page 13 page 6 page 7 page 7 page 7 page 7 page 7 page 7 page 12 page 13 page 13 page 9 page 9	8) SET TIME TABLE 8.1) TIMETABLE SCANNING MODE 8.2) CONTINUOUS SCANNING MODE 8.2.1) Continuous scanning 8.2.2) Scanning time interval 8.3) End Zoom 2) ZOOM 2.1) NEXT PROBE/PREVIOUS PROBE 2.2) Probe / Mux / Ch 2.3) MUX Version 2.4) Trend 2.5) QUIT Warranty AGRITHERM40WIN Warranty	page 12 page 12 page 12 page 12 page 12 page 12 page 6 page 6 page 6 page 6 page 6 page 6 page 6 page 6 page 6 page 12
 SCAN TEMP. PAGE SELECT END ZOOM TURN OFF ALARMS PRINT ALARMS PRINT PROBES PRINT SCREEN SET TIME TABLE EXTERNAL TEMP. System setup 7) SETUP 7.1 COM port 7.10 SETUP PROBES 7.10.1 Probe ON Probe OFF 7.10.10 NEXT 7.10.11 PREVIOUS 7.10.2 PROBE NO. 7.10.4 CH. NO.	page 6 page 13 page 13 page 6 page 7 page 7 page 7 page 7 page 7 page 7 page 12 page 13 page 13 page 8 page 9 page 9	8) SET TIME TABLE 8.1) TIMETABLE SCANNING MODE 8.2) CONTINUOUS SCANNING MODE 8.2.1) Continuous scanning 8.2.2) Scanning time interval 8.3) End Zoom 2) ZOOM 2.1) NEXT PROBE/PREVIOUS PROBE 2.2) Probe / Mux / Ch 2.3) MUX Version 2.4) Trend 2.5) QUIT Warranty AGRITHERM40WIN Warranty Certificate AGRITHERM40WIN Factory test certificate Address	page 12 page 12 page 12 page 12 page 12 page 12 page 6 page 6 page 6 page 6 page 6 page 6 page 6 page 6 page 14
 SCAN TEMP. PAGE SELECT PAGE SELECT END ZOOM TURN OFF ALARMS PRINT ALARMS PRINT PROBES PRINT SCREEN SET TIME TABLE EXTERNAL TEMP. System setup 7) SETUP 7.1 COM port 7.10 SETUP PROBES 7.10.1 Probe ON Probe OFF 7.10.10 NEXT 7.10.11 PREVIOUS 7.10.12 END 7.10.2 PROBE NO. 7.10.3 MUX NO.	page 6 page 13 page 13 page 6 page 7 page 7 page 7 page 7 page 7 page 7 page 12 page 13 page 13 page 9 page 9	8) SET TIME TABLE 8.1) TIMETABLE SCANNING MODE 8.2) CONTINUOUS SCANNING MODE 8.2.1) Continuous scanning 8.2.2) Scanning time interval 8.3) End Zoom 2) ZOOM 2.1) NEXT PROBE/PREVIOUS PROBE 2.2) Probe / Mux / Ch 2.3) MUX Version 2.4) Trend 2.5) QUIT Warranty AGRITHERM40WIN Warranty Certificate AGRITHERM40WIN Factory test certificate	page 12 page 12 page 12 page 12 page 12 page 12 page 6 page 6 page 6 page 6 page 6 page 6 page 6 page 6 page 6



General Description

The function of the PC program Agritherm40Win is to communicate with MUX concentration units via a device with a RS232/RS485 serial interface (line with two wires + shield). The RS485 serial line is connected in parallel to all the MUX units in the system and the ID number of the MUX unit will enable the Master (PC) to communicate with one of the Slaves (MUX).

The MUX units are electronic boards that detect the signal emitted by the sensors of the Probes and convert it into temperature.

The temperature is measured by means of PT100, NI100 or NI10 (to order).

Each MUX unit can support a maximum of 8 probes.

MUX type A up to 4 measuring sensor points

MUX type C up to 8 measuring sensor points

MUX type D up to 12 measuring sensor points

If the MUX unit is of the B type, the maximum number of probes is 16 with a maximum of 4 sensor points.

Installing the Program

In most cases, the Agritherm 40 Win program is installed directly by S.G.M. LEKTRA, otherwise the procedure indicated below should be followed.

Insert Disk 1/1 in floppy disk drive A. Using Windows Explorer, select the floppy disk drive and click on the SETUP (Application) icon.

You will then be prompted to create the folder (we recommend you use the default) in which the program is to be installed and then press Finish to continue.

When prompted to do so, insert Disk 2/2 in the floppy disk drive, than click on OK to continue and, once the operation has been completed, click on OK again.













If the program is to be run automatically when Windows© is started, simply create a link inside the autorun folder (operation to be performed by an expert).

Alternatively, the program may be run by clicking on the Start button and selecting Programs, Agritherm, Agritherm.exe, which will have the following appearance.

TEMP.R	CAR	ALARDE ACRISO	OLEDGE	PART HURS	00	REPORTATION	Lat	TAMP
2008	t	FILITALA	(54)	BRIEF CONCOM	HOU	IS TABLE CONF.		ÐIT
FLOUR	WHEAT	RICE	BOWLINE	DAT	CORN	SOY	BRAN	SEEDS
11.2	543	-10.0	11.2	25.2	38.5	-9.9	-8.3	38.5
60.7	\$3.1	0.9	60.7	63.3	\$1.1	63.4	51.8	51.1
56.6	53.9	11.7	56.6	51.4	51.3	50.5	56.9	51.3
58.8	53.6	20.7	58.8	56.3	50.2	57.8	54.5	60.2
59.1	12.4	38.4	53.3	50.0	12.8	50.4	55.4	52.0
61.9	\$5.3	48.2	61.9	62.0	51.1	65.5	68.4	51.1
62.8	54.1	50.1	62.0	63.7	60.2	51.0	58.6	60.2
57.6	53.8	60.2	57.8	59.6	\$7.9	54.3	\$3.1	57.8
60.2	54.3	72.1	60.2	48.4	64.9	52.6	55.6	64.9
57.5	53.5	82.8	57.5	58.0	58.9	54.4	59.8	50.9
57.5	54.8	93.9	57.5	58.1	61.6	52.8	59.5	61.8
54.1	53.6	100.0	54.1	-18.7	56.1	61.4	58.0	56.1
A	LARM PAGE	s <u>1</u>				10-21	20001 2	-
-			. The .	-		142	8.06	

Fig.1

OPERATING FUNCTIONS

When the Agritherm 40 Win program is started, the video screen printed is displayed. This is the main video screen on which 9 probes are displayed vertically with 12 temperature points.

At the top of each probe is a description of it consisting of a maximum of 7 alphanumeric characters (excluding spaces) which may be changed as desired (via the setup).

Below the ALARM PAGE row is the number of the video screens containing probes in alarm status.

For each probe, the maximum temperature alarm points are displayed in a colour with a RED border, while the minimum temperature alarm points are displayed in a colour with a GREEN border. The colour YELLOW with the word "EEEE" indicates a lack of communication between the PC and the MUX unit polled.

In the bottom far left-hand corner of the display there is a small window indicating the number of the probe currently polled and then, moving on towards the right, there is the transmission/reception alarm LED (blinks red when there is a communication alarm) followed by the temperature alarm LED which blinks red when at least one minimum or maximum temperature probe alarm is in progress. In the bottom right-hand corner there is the key (red) for selecting the video screen.





SCROLL BAR:

These types of keys are represented by two arrows set vertically (one up arrow and one down arrow) on the left plus a square on the right (see screen selection key in figure 1).

The square on the right shows the number on which the scroll bar is currently set (for example, the number of the current video screen). This number can be increased or decreased by pressing the up arrow or down arrow keys on the keyboard, or by clicking the mouse button on the arrow symbols situated on the left, or by pressing the space bar and selecting a number on the vertical bar which appears when you press the enter key or click on the number chosen with the mouse.

SWITCH KEYS:

These types of input objects may only be set ON or OFF using the up arrow key (ON) and down arrow key (OFF) on the keyboard or by clicking the mouse button directly on the ON/OFF cursor.

INPUT BOXES:

These boxes are used to enter numeric parameters or alphanumeric descriptions from the keyboard. Having entered the data inside these boxes, you must press the enter key if you want the data entered actually to be brought into effect.

Minimum PC requirements

80486 or similar processor with math coprocessor.One 3.5" 1.44 Mbyte floppy disk drive.One VGA colour monitor.One hard disk with a minimum of 10 Mbytes of free space. (more if a history file is required)

One mouse

One free serial port (COM2) for the RS-485 bus connection and MUX unit connection.

One 80-column black and white or colour printer

PC operating system requirements

Microsoft Windows© 95, 98, 98SE, ME, 2000 The program is not designed for use in MS-DOS environments or multi-user networks of any kind.

Files Making Up the Program

The Agritherm 40 Win program is made up of the following files.

Agriterm.exe Panel.uir config.log tab_conf.log minimax.log parms.dat temp.dat



Description of Buttons on the Main Screen

1) SCAN TEMP.:

Forces a read scan of all the temperature probes. During the probe read scan, this button is disabled as the operation is performed automatically (see also Setting the Timetable)

2) ZOOM:

Shows in real time the measuring points of the selected probe. This a purely diagnostic function, which is normally used during inspections made to test the general functioning of the system by **S.G.M. LEKTRA technical staff.**

Frint 1	-		+1.2	Trend	-	
	20.0	420.0	11.4	- inerest.	-	Annual Annual Annual Annual Annual
Fried 2			00.7	Trend		Pate : 1 Mai 1 Ch 1
Fried 3	20.0	120.0		-	-	
NEW 2		THU	0.00	Trend	-	FLOUR
Fried 4	49.4	1000	-	Treed	-	PLOOR
	20.0	120.0		(therea)	-	
Foiel 5	Succession of		10.1	Trend	-	NEXT PROBE PREV PROBE
	29.0	120.0			\equiv	
Foint 6			01.8	Trend	12	
Friet7	20.0	120.0	10.0	Trend	-	
	39.3	120.0	COLUMN ST	11000	md	EA/ Venior
Foind 8	And Designed		17.8	Trend	22	
Fried #	20.0	120.0		-	-	
COLUMN 1	35.0	1000	0.09	Trend	-	Maa Vel
Point 10	Sec. or	and a second sec	57.6	Trend	-	
Sim	200	120.0			-	
Puest 11			87.8	Trend	24	
Fred LT	-360	120.0	54.1	freed	-	OUT
	-20.0	120.0		inend .	-	

2.1) NEXT PROBE/PREVIOUS PROBE:

The buttons are used to browse through the probes connected.

2.2) Probe / Mux / Ch:

In this windows is possible to select directly the probe address.

2.3) MUX Version:

Identifies the version of the firmware of the MUX scanned.

2.4) Trend:

The trend icon displays one of the points read with a graphic representation.

2.5) QUIT

Escape.







3) TURN OFF ALARMS:

Turns off relays (optional relay output board), alarms.

If the program is set on the basis of a timetable and not in continuous mode, at the end of the scanning cycle, any alarms detected will result in static switching of the relay outputs Max Relay 1, Min Relay 1, GEN, pulsed switching on Max Relay 2, Min Relay 2 represented graphically on the main screen. This command has an immediate effect on outputs Max Relay 1, Min Relay 1, GEN while Max Relay 2 and Min Relay 2 will continue to be energized for 1 second at the end of the scanning cycle even if the timetable follows continuous operating mode.

4) PRINT ALARMS:

Prints all the probes in alarm status detected during the last scan as being in maximum or minimum temperature alarm status.

5) PRINT PROBES:

Prints all the probes detected during the last scan, irrespective of whether they are in alarm status or not.

6) PRINT SCREEN:

Prints the video screen currently displayed (hard copy)

7) SETUP:

Provides access to the program parameter setup and plant configuration. It should only be used when strictly necessary. The settings are made at the S.G.M. LEKRA laboratories on the basis of specifications made directly by the customer to enable him to start using the entire supply immediately.

You will be prompted to enter the password and we recommend you avoid revealing this password to unauthorized staff. On this screen, all the parameters set initially can be completely changed so we recommend you make a copy, in another directory of the PC, of the following files: Parms.dat, Temp.dat, Config.log, Tab_conf.log, which are present in the installation directory (Agritherm) or take those on Disk 2/2 in the BACKUP folder.

Insert the acce	ss password
	05

Enter the password, type **THERMO** and then press **OK**. The following screen will appear.

CIDM Part	Mar H of police	Longui	190	Screen Resolution
12	3 9	08- 17- 17-	I	640x480- 860x600- 1024x769-
Relays output	Printer:	Floating window	Bar Merry	HD WHE
Enabled Disabled	Enabled Desabled	Enabled Disabled	Enabled Disabled	00
PROBE CONFIG	DIT TEMP CONTE	SETMINANO	INIT PROBES	PRINT COMPLE



7.1) COM port:

Selects the serial port through which the program will communicate with the MUX units via the RS232/RS485 interface device. Port COM2 is normally set.

7.2) Max. no. of probes:

Represents the maximum number of probes present on the video screens, one screen may contain a maximum of 9 probes.

7.3) Language:

Selects the desired language GB = English, IT = Italian, FR = French.

7.4) Screen Resolution:

Sets the maximum graphic resolution. The normal setting is 800x600 dpi, the optimum resolution for 14-15" SVGA monitors while 640x480dpi is recommended for 14" VGA monitors and 1024x768dpi for large monitors such as 17-19". The graphic setting of the PC must correspond to the one to be obtained from the Agritherm 40 Win program. Should the exit commands disappear due to incorrect setting, simply press the ESC key to terminate the program, set the resolution to the maximum (1024 x 768) and restart Agritherm40Win.

7.5) Relaies outputs:

The Enable/Disable relay outputs switch (optional 8-relay board).

7.6) Printer:

The Enable/Disable printer switch. The program is supported by the operating system so it works with any printer, whether local or installed in a network.

7.7) Floating window:

The switch Enables/Disables the buttons on the top bar, so when the Disable function is set, Agritherm40Win cannot be minimized. This function may be set as desired.

7.8) Menù bar:

The Enable/Disable switch changes the setting of the buttons on the main screen, which will appear as a drop-down menu. It may be set as desired.

7.9) History:

The ON OFF switch in the ON position is only operative if the operating mode (see timetable) is based on a timetable and not continuous, at each time set ON, after the scan set, the program creates a backlog.dat file containing the historical data in the Backlog folder where Agritherm40Win was installed, normally Agritherm Backlog. This file gradually increases in size as time passes and may be used at the customer's will (see figure 1).



7.10) SETUP PROBES:

Probe setup screen, it is used to set all the probe setup values.

10000	MUX00 1	CH# 11 IN	ICM 1 TC 12
FLOU	R TEMP	MAX 1 40	TEMP MIN 2-10
	and the second	and the second second	

7.10.1) Probe ON Probe OFF:

The ON switch enables the probe in question to be read.

7.10.2) PROBE NO.:

Indicates the progressive display position of the probe on the main screen, which may display 9 probes (columns) per screen.

7.10.3) MUX NO.:

Indicates the identifying address, UID (Unit Identifier Device), of the MUX unit with which the probe is associated (see wiring diagrams). Enter values from 1 to 62.

7.10.4) CH. NO.:

Indicates the channel of the MUX unit to which the probe is connected (see wiring diagrams).

7.10.5) FROM:

Initial number from which the probe is made of MUX A, C, D sensor points.

7.10.6) TO:

Final number (total number of points) of which the probe is made up.

7.10.7) DESCRIPTION OF PROBE:

Enter alphanumeric text without spaces, up to 7 characters.

7.10.8) MAX. TEMP.:

Sets individually the maximum temperature threshold beyond which (if exceeded during the scan) the probe point will be displayed with a red border.

7.10.9) MIN. TEMP.:

Sets individually the minimum temperature threshold below which (if exceeded during the scan) the probe point will be displayed with a green border.

7.10.10) NEXT:

Moves on to program the next probe.

7.10.11) PREVIOUS:

Moves back to program the previous probe.

7.10.12) END:

Closes this session and returns to the setup screen.



7.11) SET EXT. TEMP.

External probe setup screen with a maximum of 40 probes (1 per MUX unit)



7.11.1) Probe ON Probe OFF:

The ON OFF switch sets the probe ON (see wiring diagrams).

- 7.11.2) PROBE NO.: Progressive number from 1 to 40.
- 7.11.3) MUX NO.: Progressive number from 1 to 40.
- **7.11.4) PROBE DESCRIPTION:** External probe ID field, enter alphanumeric text without spaces (maximum 7 characters).
- 7.11.5) NEXT: Moves on to program the next probe.
- 7.11.6) **PREV.:** Moves back to program the previous probe.
- 7.11.7) QUIT: Closes this session and returns to the setup screen.



7.12) SET MIN/MAX:

Sets the temperature thresholds for all probes

E KIN/MAX CONFIGURATION		×
BE CAREFUL	MDK 20	MAX 2 35
This window sets the MIN and MAX		2.
threshoulds for all the probes.	EAWCEL	

7.12.1) MIN:

Minimum temperature threshold Enter values from -10 99 below these values, the green alarm will occur.

7.12.2) MAX:

Maximum temperature threshold Enter values from -10 99 below these values, the red alarm will occur.

7.12.3) Cancel:

Cancels the operation and returns to the setup screen.

7.12.4) OK:

Confirms the parameters set.

7.13) INIT PROBES:

Initializes all the probes (cancels all the parameters of the probes set), it is used when the plant is to be completely reconfigured

7.14) PRINT CONFIG:

Prints the configuration of all the probes set.

7.15) END:

Returns to the main screen.



8) SET TIME TABLE:

Sets scanning mode: timetable or continuous

10001 0 11	SILL COM	GURATION			
	101	1		-	۵¢
00 00 0M	CITE CHT	ON THE OFF	12-00	ON THE OFF	ON
11 00 0A	Cit	CN THE OFF	13 00	ON THE OFT	ON 🗍 📰 DIF
11 :00 ON	CFF	ON THE OFF	14:00	ON THE OFF	04
E1 :00 0M	CIT CHY	CN THE DIT	13:00	ON THE OFF	on 💷 arr
94:00 01	CHF	ON THE OFF	16:00	UN THE OFF	-0N []] 0HF
11.00 05	C#F	CN DIF	17.00	ON THE OFF	ON THE OFF
00 00 0N	CFF	CN THE OFF	18 00	ON THE OFF	ON: THE OFF
07:00 DA	CIT CIT	ON THE OFF	15 :00	ON THE OFF	on IIII on
BE 00 DA	Cial Cha	CN THE DIT	30 00	ON THE OFT	on 💷 orr
85 00 ON	CFF	CN	21:00	014 0FF	04 1000
10 00 04	CHT CHT	CN THE DIF	22 00	ON COPT	ON
11:00 04	CFF	CN	21.00	un 🖂 🔤 cat	an 💷 an
otione Snew	-	Instang De	0 0		test.

8.1) TIMETABLE SCANNING MODE



Using the ON and OFF switches located under this icon you can set the time at which the temperatures are to be scanned automatically.



Using the ON and OFF switches located under this icon, you can program the automatic printing of all probes for the time with which the start of the scan is associated.

8.2) CONTINUOUS SCANNING MODE

8.2.1) Continuous scanning:

When the ON OFF switch is set to ON, the program will no longer consider the time settings and will read the temperatures continuously.

8.2.2) Scanning time interval:

Time interval (in minutes) when you wish to include a pause between one scan and the next, in continuous operating mode, enter values from 1 to 30.

8.3) End:

Returns to the main screen.





9) EXTERNAL TEMP.:

External probe reading screen, function available if external probes have been connected and the MUX unit has been set up for their connection.

10) PAGE SELECT:

Used to select the screen page.

11) END:

Used to exit from the AGRITHERM 40 Win program. From this moment on, no temperature will be updated and the history file will be interrupted. It is however possible to minimize the program to be able to use other programs while Agritherm 40 Win continues to run.





AGRITHERM40WIN Warranty

Products supplied by SGM LEKTRA are guaranteed for a period of 12 (twelve) months from delivery date according to the conditions specified in our sale conditions document. SGM LEKTRA can choose to repair or replace the Product. If the Product is repaired it will mantein the original term of guarantee, whereas if the Product is replaced it will have 12 (twelve) months of guarantee. The warranty will be null if the Client modifies, repair or uses the Products for other purposes than the normal conditions foreseen by instructions or Contract. In no circumstances shall SGM LEKTRA be liable for direct, indirect or consequiential or other loss or damage whether caused by negligence on the part of the company or its employees or otherwise howsoever arising out of defective goods.

AGRITHERM40WIN Factory test certificate

In conformity to the company and ceck procedure I certify that the equipment:

AGRITHERM40WIN	part nb
is conform to the technical requirements on Te dure	echnical Data and it is made in conformity to the SGM-LEKTRA proce-
Quality Control Managerl:	
Production and ceck date:	

SGM LEKTRA s.r.l.



SGM LEKTRA s.r.l. Via Papa Giovanni XXIII, 49 20090 Rodano (Milano) tel. ++39 0295328257 r.a. fax ++39 0295328321 e-mail: info@sgm-lektra.com web: www.sgm-lektra.com