

**MemoStangEco is the improved version of the system.**

**Lower consumption, higher security.**

### Operating Instructions For MemoStangEco

Fancy name MemoStangEco (type EL-04/MB) patrol and other workflow control system checks by a human-induced electrical contact.

For making an electrical contact, the best way is to make a contact between data collector cylinder, which collects data, and checking (identifier) point by pushing it softly until the feedback section becomes visible on the side of the cylinder.

From this time data collector tries to make logs in every two seconds.

A two green flashes and "BEEP" sounds (CONFIRM) confirms that logging is taking place. Now, you can disconnect cylinder from checking point.

The time of the next checking (Standby time) logged by data collector can be set by the utility program for a minimum of 100 seconds.

In this case, the frequency of checking is 36 hours.

The manufacturer for unique request can modify this minimum value.

During confirm the date of event, type of identifier (such as CheckPoint or ThermoPoint, etc.) and the unique code of identifier, the temperature of data collector and the voltage of the battery.

The log contains 4096 data lines, which will be overwrite when it



#### Technical details:

- Design: non-corrosive, portable cylinder, with rubber grib and wrist strap.
- Size: diameter:22 mm, length: 180 mm, weigh: 0,35kg
- Operational temperature range: from -40 ° to +70°C
- Data storage: last 4096 data lines (date, time, name, temperature, voltage of battery)
- Energy-efficient operation
- Accuracy of module time +/-2 minutes per month under 25 C°
- Source of energy: 3,6V special lithium battery which lifetime is: 2 years, 50 000 checking/year
- Documented mechanical selfdefence, registrated mechanical status and overheating.

becomes full. It means that the log contains the last 4096 events.

For a practical view, it is important that the fastening of checking points can be loosen only by destruction.

If the contact is improper in time and quality there will be no logging. In this case, CONFIRM will not happen for 10-15 seconds while we hold data collector on checking point. This problem can be caused by the followings: checkpoint is vaporized or dirty; during contact data collector is moved, etc. In this case you need to retry checking.

If CONFIRM will not happen for even for further try you may report it for the security officer because for some reason the system is not operates.

You can test this by using a personal identifier (Key) which you need to contact with data collector In this way you can test both data collector and checking point and find out which one has an error.

There is another easy way to check the working order of data collector without logging. You need to continuously short circuit the springed osculatory by using some kind of object made form metal such as key, knife or nail.

At this time you can see a GREEN flash in every 2 second on the indicator point which means it is ready for operation. This test can be done if only the Standby time of data collector has been overdue already since last log.

In order to get trustworthy log data collector checks the correctness of operation continuously and stops to record logs if any other problem occurs.

It means the events which are logged are surely happened. Those events which are not logged because lack of CONFIRM are due to this security reason.

In the case of MemoStangEco data collector (SW ver:90 and above) we use advanced energy usage and automatic switch on. So, **you do not need to switch on these devises.**

As a result of advanced energy usage, if there will be no need for repair you won't need to change battery during planned lifetime of the device which is 100 000 checking/6 years.

If you use the device more frequently than it is planned it may reduce the lifetime of the battery and the head.

Our experience shows that in the case of 50-100 000 checking batteries operates for 2-2,5 years. After this degree of usage the head may warned-out and it is better to replace it.

Due to special accessories and technical solutions the replacing of



batteries or heads can be done by only services which are accredited by the manufacturer and can use only accessories which are provided by manufacturer. Not keeping this instruction result in **loosing warranty**.

### **Cautions!**

**The data collector device uses in built electric devices and lithium battery.**

**Improper handling of used devices or devices with flat battery may be dangerous for environment.**

**Please pass the device which considered as trash to manufacturer for professional handling.**

The life time of devices are highly affected by the frequency and size of improper mechanical use (mechanical shock) such as intentional harsh usage, punches, etc.

This type of devices are log this kind of events as well as checking, but the name of log will be „MechShock” and it will show the intensity of mechanical shock also. So, perpetrators and their purposes can be find out by logged data

The values of mechanical intensity are rolled and feature the „Mechanical Status” of every data collector

These values will be clearly shown for everyone according to the followings.

The programs are show the unique maximal mechanical intensity in the form of „Mechanical Status:0044 / 08”. After sign „/” it shows the highest registered value. The software outlines the mechanical entries by using a purple color in the log.

If this rolled „Mechanical Status” is higher than **500** or the unique intensity value is more than **50** unit it causes the **loosing of warranty**.

**EL-04/MB - Esemény kiértékelő program**

File Jelentések Szerviz Lajstrom Lista Info... Mechanikai Status: 0033

Gyári szám / SW ver: 40  
E100000056A0F704

Rendszer óra  
2003.10.22 19:33:08

Naplózó óra  
2003.10.22 19:33:07

Utolsó óraállítás:  
2003.10.21 19:14:15

Adatgyűjtő notesz >> 10/123 karakter

Tesztelve!

**Status**

**BEEP be/ki**

Össz.naplózás | Elem fesz.: | Hőmérséklet: | Adat feldolgozás

00000004 3.31 V 24 C° < Start Ismét Kész!

Állapot: >> Adatok beolvasva!

Naplózott adatok : 0004 / Utolsó adattörlesztés : 2003.10.21 19:31:45

Sorszám:	Dátum:	Relativ idő:	Típus:	Azonosító kód/Megnev.:	Jellemzők:
1	2003.10.21 19:32:01		MechShock	E100000056A0F704	Intenzitás: 15
2	2003.10.21 19:32:03	0:00:02	MechShock	E100000056A0F704	Intenzitás: 02
3	2003.10.21 19:32:07	0:00:04	MechShock	E100000056A0F704	Intenzitás: 12
4	2003.10.22 10:30:41	14:58:34	MechShock	E100000056A0F704	Intenzitás: 04

The program makes it possible to analyze mechanical events in a separate window and print selected rows. For opening this window you need to click on „Mechanical Status:”. The ordering of data rows can be set by double clicking on the column headers. This column header will have different color which signs the aspect of ordering. For printing a row you need to select it with your mouse.

This selection must be continuous. If there is at least one selected row the print icon will show up. By clicking on this print icon the well known printing dialog window of Windows will open. To cancel selection you need to click on column header. In order to select every row you have to right click with your mouse or press „Space” on your keyboard. In this case you need to make sure that cursor is above the table instead of column header.



**EL-04/MB - Esemény kiértékelő program**

File Jelentések Szerviz Lajstrom Lista Info... Mechanikai Status: 0044

Gyári szám / SW ver: 41  
B00000004756F304

Rendszer óra  
2005.01.02. 17:37:43

Naplózó óra  
2005.01.02. 17:43:41

Utolsó óraállítás:  
2004.11.14. 20:32:36

>> Adattörleszt <<

**Mechanikai események >> kiválasztva 2 sor**

Sorszám:	Dátum:	Intenzitás:	>
2	2004.10.27. 16:17:59	03	
16	2004.10.28. 11:46:29	09	>>
25	2004.10.28. 13:47:32	10	>>
29	2004.10.28. 15:26:23	10	>>
31	2004.10.28. 15:37:17	02	
32	2004.10.28. 15:59:35	04	>
40	2004.11.24. 16:04:40	06	>

Össz. naplózás | Elem fesz.: | Hőmérséklet | Adat feldolgozás | Állapot: >> Adatok beolvasva!

00000041 | 3,63 V | 23 C° | Start | Ismét | Kész!

Naplózott adatok : 0041 / Utolsó adattörleszt : 2004.10.27. 16:12:54

Sorszám:	Dátum:	Relativ idő:	Típus:	Azonosítókód/Megnev.:
1	2004.10.27. 16:17:08		CheckPoint	Kapu I.
2	2004.10.27. 16:17:59	0:00:51	MechShock	B00000004756F304
3	2004.10.27. 16:57:24	0:39:25	CheckPoint	Kapu II.
4	2004.10.27. 17:50:47	0:53:23	CheckPoint	Kapu I.
5	2004.10.27. 17:51:27	0:00:40	CheckPoint	Kapu I.
6	2004.10.28. 09:38:52	15:47:25	CheckPoint	Kapu I.
7	2004.10.28. 10:15:49	0:36:57	CheckPoint	Kapu III.
8	2004.10.28. 10:20:40	0:04:51	CheckPoint	Kapu III.
9	2004.10.28. 10:20:57	0:00:17	CheckPoint	Teherporta
10	2004.10.28. 10:21:31	0:00:34	CheckPoint	Kapu II.

With these information it is possible to bring to book for and reduce improper mechanical use by administrative tools.

It is recommended to list every identification device before use with the help of processor program. This software is able to add text information for every device if it needed. It makes further evaluation more comfortable. These lists can handle 10 000 identification all together. It means that there is no limit for the number of identifiers it just need to be grouped for different applications in groups with maximum of 10 000 identifiers. (Eg.: these list can be organized as data collectors or objects as well) .

To make a change in list you need to list the identifier devices again. So the list can be changed only if you own the specific identifier. This strengthens the security of the system as well.

The software called MemoStangOne handles MemoStangEco data collector. It runs on a general PC with Windows (32 bits) in Hungarian language.

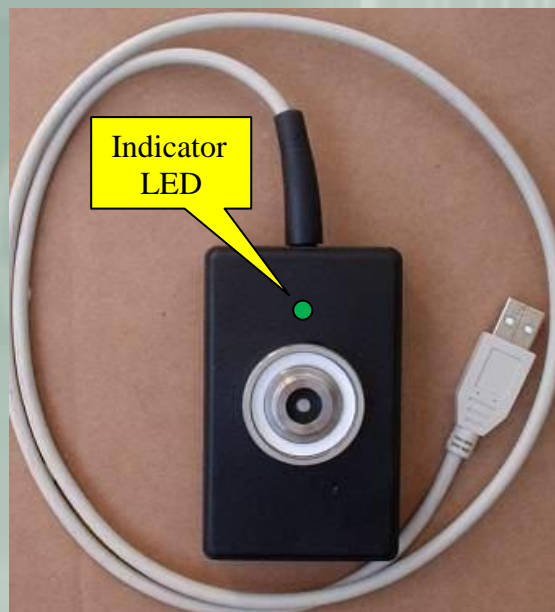
The software is compatible with older versions from above. The role of the software is to ensure the settings of the data collector's parameters, the monitoring of operation and actual data stored in data collector. It makes possible to generate and save database for further use in standard CSV format which can be used in Excel, Lotus, etc. The software makes possible the direct and chronological printing of stored data. It numbers every printed page and it authenticates every page with an embossment like „Original Copy” text as a proof. The software is able to process data read from data collector with the help of other devices (such as PatrolCheck, iTerminal, etc.) and process special files using „.elf” extension.

### **Minimum requirement for PC configuration**

- Pentium processor
- 64 Mbyte RAM
- 20 Mbyte free space on HDD
- USB drive or CD-ROM for install
- 1 free USB port
- Some kind of pointer tool (eg.: mouse, trackball, etc.) recommended
- WINDOWS XP (SP2)/VISTA/Win7 32 bit operating system
- Software runs on Vista/Win7 64 bit in emulated mode (WoW64)

For the cooperation of software MemoStangOne and data collector MemoStangEco a reader adapter called MemoStangReader (type MSReader) is needed which you can see on the figure below. MSReader looks similar to previous adapter (USB2490), but it contains an status indicator LED.

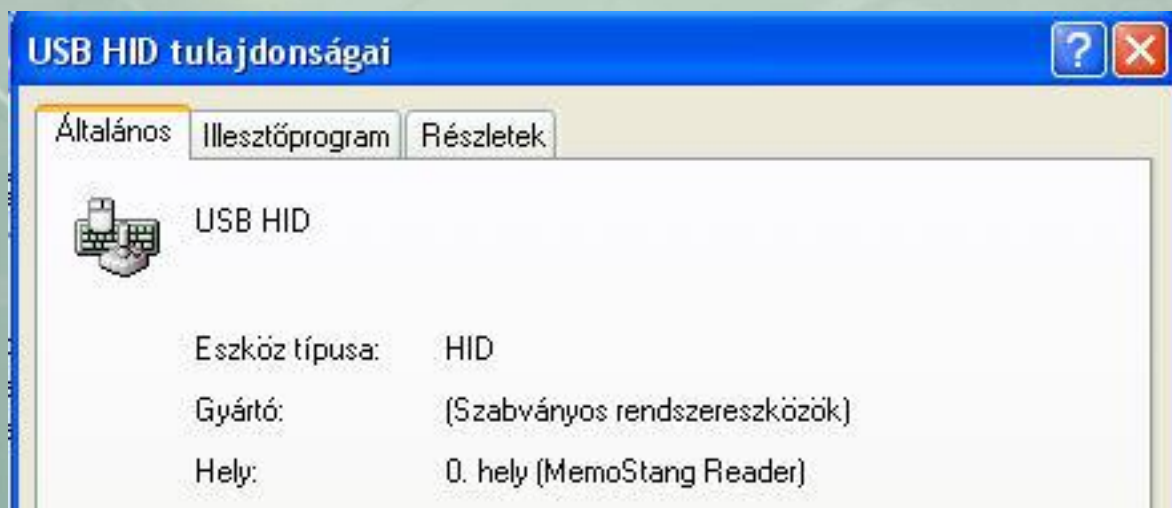




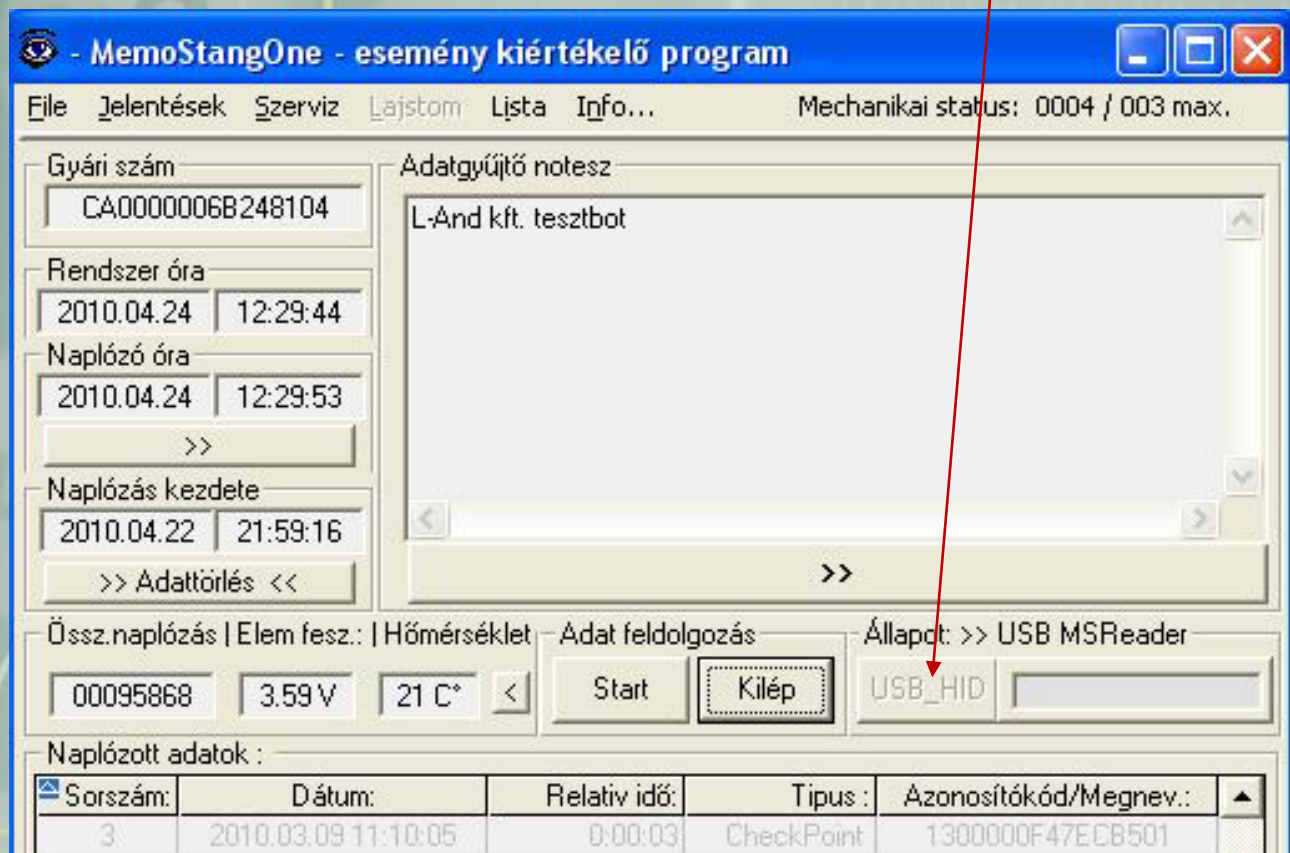
The software is able to handle formerly made data collectors along with their data cables (DS9097E, DS9097U, USB2490).

It is important to notice that MemoStangEco is compatible only with adapter „MSReader”. MemoStangeOne and formerly EL-04T data collector can be read but EL-03T is not supported by „MSReader”. For this you need to use other adapters.

It is an important feature of USB adapter that it is compatible with HID (Human Interface Design) standard, thus it doesn't need any other installation. At the first time operating system (64 bit as well) recognize MemoStangReader and automatically install built-in drivers.



After successful installation the status indicator frequently flashes. After launching MemoStangOne the status indicator changes to slow flashing. The software shows the type of the adapter and its endurance.



**- MemoStangOne - esemény kiértékelő program**

File Jelentések Szerviz Lajstrom Lista Info... Mechanikai status: 0004 / 003 max.

Gyári szám: CA0000006B248104

Rendszer óra: 2010.04.24 12:29:44

Naplózó óra: 2010.04.24 12:29:53

Naplózás kezdete: 2010.04.22 21:59:16

Adatgyűjtő notesz: L-And kft. tesztbot

Össz.naplózás | Elem fesz.: | Hőmérséklet | Adat feldolgozás | Állapot: >> USB MSReader

00095868 | 3.59 V | 21 C° | Start | Kilép | USB\_HID

Naplózott adatok:

Sorszám:	Dátum:	Relativ idő:	Tipus:	Azonosítókód/Megnev.:
3	2010.03.09 11:10:05	0:00:03	CheckPoint	1300000F47ECB501

For controlling MemoStangEco data collector 2.62 or higher version is needed. The name of these software are „MemoStangOne” instead of „EL-04”. In other aspects there is no difference in using the software between the older and new version. For these software the basic setup is adapter „MSReader”.



## THE USING OF EL-04/MB v2.xx SOFTWARE

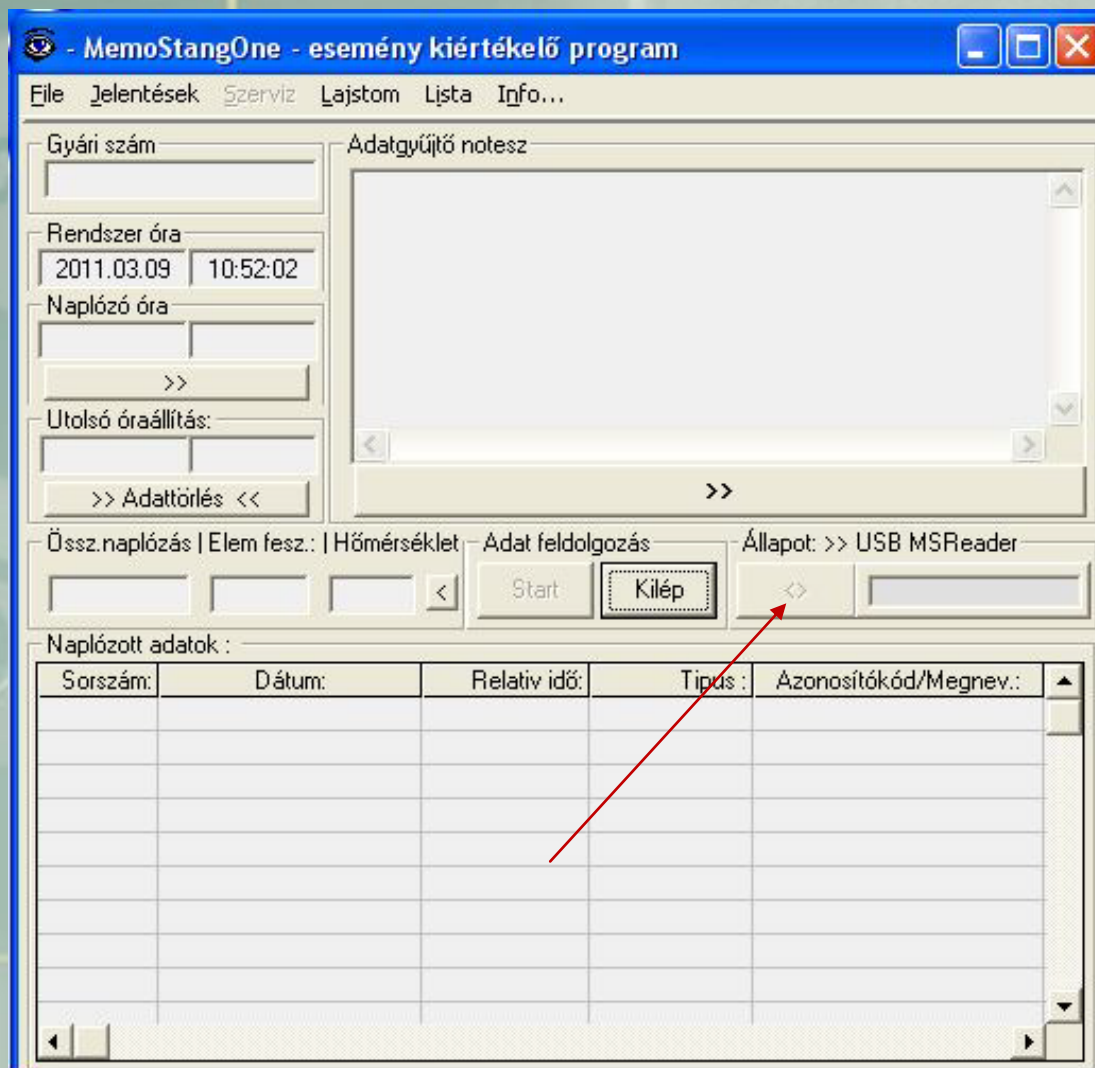
The standard version of the evaluation software is sold on CD or it can be downloaded from web addressee <http://www.straussmetal.hu>. The installation of the software starts with well-known SETUP order. After copying some files which are necessary for installation you will see the installation screen of EL04\_MB in English. (Notice that for successfully installed software you can change the language to Hungarian too.) Here you can change the predefined [C:\Program Files\EL\\_04\\_MB\\_v2\](#) directory destination by clicking on Change Directory button. After this, you can start installation by clicking on the screen icon. If you already have newer components or version with other language on your PC, you may see warning messages during installation. In this case, it is recommended to keep the components you already have (button „Keep”).

It may occur in some computer that after installation the system asks for restart because of system refreshing. In this case, you need to restart your computer and your installation of EL04\_MB SETUP as well, which will finish the already begun process. The software icon will be added for the system after successful installation. For further use you can start the software from START->PROGRAMS -> EL\_04\_MB\_v2.

Before the first running of the system you have to plug in the adapter to computer's USB port. If it is not „MSReader or it has some kind of error the software starts showing an error message you can see below:

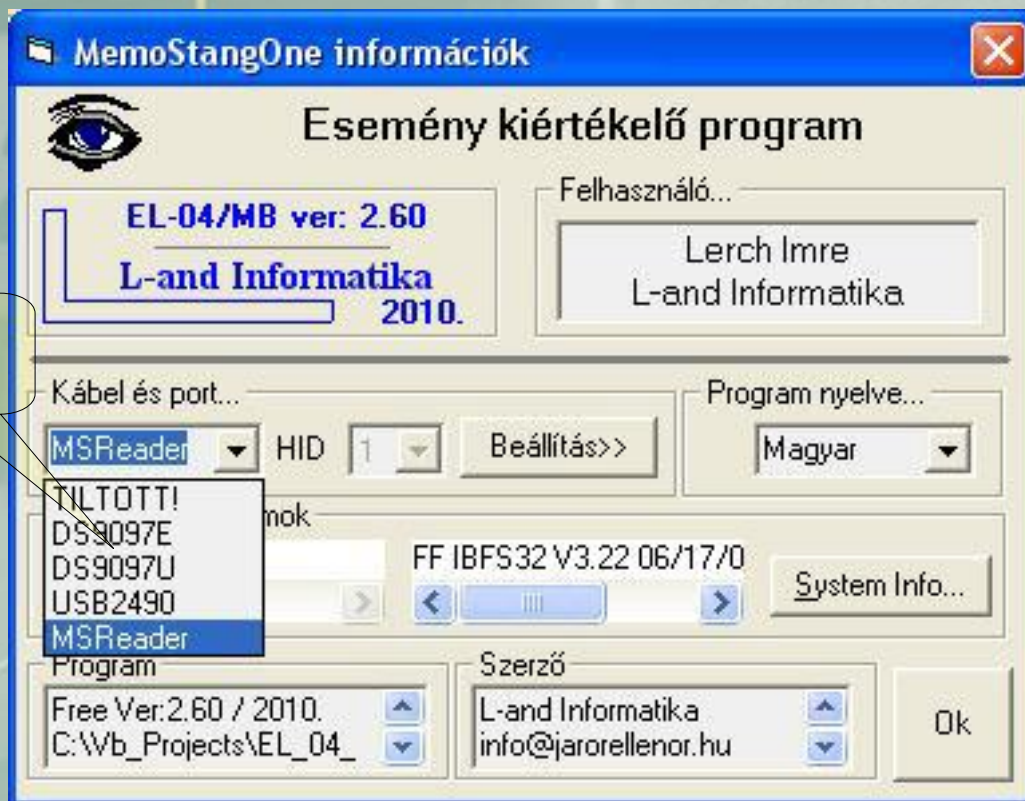


By pressing OK the opening window of the software shows up:



The red line points to a symbol which means with this setting (the basic one) there is no accessible and valid port function for the system. By choosing Info... menu the software's information panel appears where you can choose the right type of cable/adaptor and the number of COM port as you can see below.





Supported  
adapters

By clicking on „Settings” you save actual settings and the main window will appear again (see on next figure). The symbol shown by red arrow indicates this setting is right.

The formerly shown error message will appear at start up the only if settings are not matching with current state or there is problem with the connection of adapter and PC.

By using „PROHIBITED!” setting the software do not check cable/adapter thus there will be no error message. It is useful during processing „.elf” files with the software and there is no need for direct connection with the data collector.

Information panel shows some other information about the software, user, drivers and the system. It also shows the contact information of manufacturer. Here you can set the language as well. The basic setup is English or Hungarian When you choose different language the software will close itself. After re-launch, the new language setting will be loaded.

**EL-04/MB - Esemény kiértékelő program**

File Jelentések Szerviz Lajstrom Lista Info...

Gyári szám:

Rendszer óra: 2003.01.06. 11:26:56

Naplózó óra:

>>

Naplózás kezdete:

>>

Adatgyűjtő notesz:

N.mód /sorszáma:   T

M.vételi idő [sec]:  >>

Adat feldolgozás:

Állapot: >> ComPort = Com4

Naplózott adatok:

Sorszám:	Dátum:	Relativ idő:	Tipus:	Azonosítókód/Megnev.:
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

When you see the window shown above then you need to connect the cable with the adapter. Then you can test the installed system by short-circuit inner point of the identifier with its external point with a capable metal object such as key, knife, nail, etc.



**EL-04/MB - Esemény kiértékelő program**

File Jelentések Szerviz Lajstrom Lista Info...

Gyári szám:

Adatgyűjtő notesz:

Rendszer óra: 2003.01.06. 11:30:56

Naplózó óra:   >>

Naplózás kezdete:   >>

N.mód /sorszáma:  T  >> M.vételi idő [sec]:  >> Adat feldolgozás: Start **Kilép** Állapot: >> ComPort = Com4 Zárt!

Naplózott adatok:

Sorszám:	Dátum:	Relativ idő:	Típus:	Azonosítókód/Megnev.:
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

The result of this operation will be shown in the „State” section of the window. The Empty label will change to “Closed”, color grey will change to red. By breaking off short-circuit you restore the original state. In this case the system is completely in working order. At this time the software can be used to list identifiers and to use data collector

If you want to use formerly adapter USB2490 (eg.: because of EL-03T) then after installing the software you have to install or change (if older than v2.63) USB drive first. These software are located in the folder of EL-04 under „WinUSB\_driver” sub-directory.

This folder contains file „x64”. If you have 64 bit operating system you have to unzip this file first. If there are any older driver installed then you must delete them using „Device Manager” or update them according to the manual of your operating system.

After connecting the adapter according to operating system you have to use „Add Hardware”. It is important to avoid automatic driver installation

of Windows so you need to choose „Advanced” option.

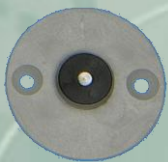
During installation you need to choose „WinUSB\_driver” as source of driver. If you use 64 bit operating system you have to choose „x64”. After successful installation according to „Device Manager” USB cable is ready to use.



After this you need to choose cable USB2490 and port COM1/USB1 in software EL-04. Every other aspect of using these cables are the same as the others.

### **Listing (Entlist)**

Identifier devices logically have two main categories. One of them is the „CheckPoint” which has only code function. There are different kinds of identifiers such as indoor, outdoor or personal. Their codes always ends with “01”. The other category is the technological identifiers which beside of code function you can use for measuring physical attributes such as temperature. ThermoPoint is a technological identifier.



The codes of these devices ends with “28”.

For easy use it is recommended to add text information for every identifier before installation. In this way you won't have to work with complicated numbers but easy to use texts. This process is called listing (or Entlisting). Listing information is stored in a file called „lajstrom.dat” which can be found in the actual working folder of the software. This file flares every time when listing takes place. It is empty in original state. It is important to save and preserve this file because in case of data loss it can be restored only from this file.

Unlike former versions (..TNT, .. V1.xx) you can modify list registry from the software itself. This new software is able to read „lajstrom.dat” files created by former software. Any other way of editing „lajstrom.dat” files (eg.: file editing, file damages caused by system error) is not recommended. The software checks „lajstrom.dat” file and the soundness of identifying codes during every start up and signs these problems with the following dialog boxes:



I the first case the identification codes are sound but some kind of other



information became damaged. By clicking OK „Error in line” text will be written into „Annotation” field and it will be saved into the list. This text can be edited any time.

In the second case the identification code is damaged and the soundness of list can be restored only by deleting. If more than one registry is damaged in the list this process is not recommended. Instead of deleting the files you have to copy original archive file into work folder before restarting the software. This method is recommended in the case of reinstall. If the checking of file „lajstrom.dat” runs without any error the software is ready for use.

Note that during saving any kind of file do not use „lajstrom.dat”. If you use this name for saving other files it will overwrite and ruins the original list file.

One list file can contain data of 10 000 identification codes. If it is not enough the software can be installed into other work folder. In this case there will be different list in each folder and both can contain 10 000 identifier. A particular identification code can be used in several files with different information. This method helps to manage different jobs, projects. You just need to create a new folder for each project with a descriptive name. The software needs to run only once.

If there is no data collector in the adapter then listing takes place in the „Entlist” menu of the software. Connect the identifier which you want to list to the special part of the adapter which is created for this purpose (see below) until it's code appears in the Identifier field of the window. In the case of „MSReader” you do not need to open “Entlist” menu because the window you see below will automatically show up during connection.



Now, you can disconnect the identifier devices. For primary text information you may use „Annotation“ input field up to 16 characters. In this way you can name identifier. If the device is a personal identifier (key), then you can type the person's name. If the device is a CheckPoint or ThermoPoint then you can input the name of place.

For secondary text information you can use „Comment“ input field up to 30 characters. You can make any note related to identifier. You can use varied information such as the order of checking or any other text parameter given for the processing software. Certainly you can use a combination of these possibilities as well up to 30 character.

The most essential thing you should note that the software in output mode (report files, printing, screen, etc.) assigns these information and the ordinal number and date of list to the given identifier.

If the „Comment“ field starts with „>.“ characters then the software regards it as the starting point of the patrol. If the „Comment“ field starts with „<.“ characters then it is considered as the end point of patrol. If you use any other character then the software considers that checkpoint as an ordinary point. By using these characters you can control the software and turn on the guarding time and resting time display.

If a identifier is not listed then it is shown with its identification code.

It is important to type at least one readable character into „Annotation“ field and primary and secondary information together identify uniquely the given code.

The registry into the list comes to pass by clicking on Yes button. In this case „lajstrom.dat“ file flares with the new identifier with the ordinal number and date of the list. The date of listing is always the same as the calendar shows run by computer. If you connect a listed identifier into the adapter then stored information will appear. If you want to modify already stored information then you also need to press Yes. In this case the ordinal number and date of listing will be changed. If you don't want to make any changes then press button No.

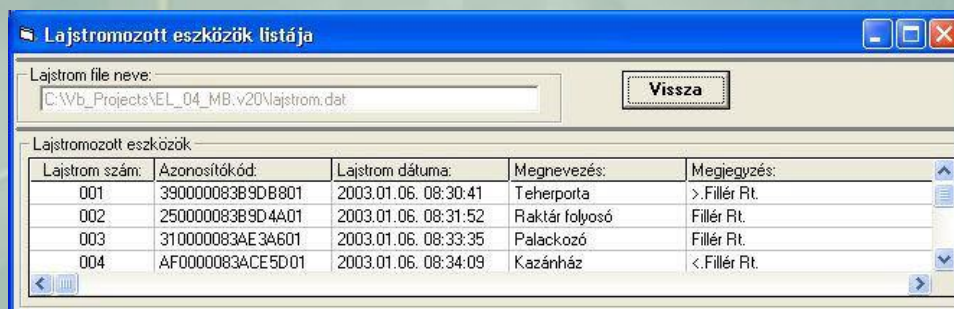


The temperature which was measured by ThermoPoint will displayed continuously during connection because of testing. To go back to main window you need to press Back.

If you want to see or modify the listed devices (the content of „lajstrom.dat” file) then you need to use “List” menu.

You can resize the window any time if you wish. By using scroll bars you are able to see every registered information.

In the field of list file you can find the whole path where „lajstrom.dat” file placed. This path shows the name of actual work folder.



If you want to delete an item from the list then you have to double click on it.



After confirmation „Delete logbook” sign appears in the place of identifier and every text information disappear. This operation will clear one spot in „lajstrom.dat” file. It will be refreshed by the next listing and the new identifier will be matched with ordinal number of list which data was deleted. It means in the case of deleting more identifiers can matched with one list number in one time.

In order to modify list you have to double click on any field of the particular item (except the number of list above). In this case a window which you have already seen during listing will open and you can change any data you wish. To save any changes you have to press „Yes”.

This method can be used when you want to list „Log data”. If the identifier haven't been yet listed then in order to open list window you have to double click on CheckPoint row which was read by data collector.


These methods makes the system use more flexible and does not reduce system security. It is because the code of the identifier cannot be modified and a new identifier can be added by connecting identifier to data collector or adapter (checking).

To print list you need to use "Reports \ Entlist" menu. For list printing you must have a printer already installed on computer which you have to select in the printing dialog box and confirm your will for printing. Then the actual state of list will be printed on a paper like on figure below.

#### Report about listed identifiers

- EL-04 -

Jelentés lajstromozott azonosítókról



Lajstrom file neve :	E:\T_LOGGER\EL_04TNT\lajstrom.dat				
Nyomtatás dátuma:	2001-06-24 13:33:22				
L.szám:	L.Dátum:	L.Idő:	Azonosító kód:	Megnevezés:	Megjegyzés:
0001	2001-05-15	10:35:17	69000007ACB54C01	Tehérporta ind.	_1. / Fillér Rt.
0002	2001-05-15	10:35:36	75000007ACACE601	Raktár folyosó	_2. / Fillér Rt.
0003	2001-05-15	10:39:28	5300000006472D28	Készáru hűtő	_3. / Fillér Rt.
0004	2001-05-15	10:37:58	23000007ACB12501	Palackozó	_4. / Fillér Rt.
0005	2001-05-15	10:38:33	D1000007ACB40C01	Kazánház	_5. / Fillér Rt.
0006	2001-05-15	10:38:52	EB000007ACB19F01	II.gazd. kapu	_6. / Fillér Rt.
0007	2001-05-15	10:40:18	14000007ACAC1801	Vasúti kapu	_7. / Fillér Rt.
0008	2001-05-15	10:40:34	09000007ACAE5D01	Targ. töltő	_8. / Fillér Rt.
0009	2001-05-15	10:44:02	CF000007ACB2BB01	Kamion parkoló	_11. / Fillér Rt.
0010	2001-05-15	10:41:03	49000007ACB56501	Autóparkoló	_9. / Fillér Rt.
0011	2001-05-15	10:41:20	8B000007ACACD801	Tehérport. érk.	_10. / Fillér Rt.
0012	2001-05-15	10:32:12	F6000006CC339D01	Sándor Mátyás	AV&Guard kft
0013	2001-05-15	10:32:49	F5000006CBDD3501	Kelemen Elek	AV&Guard kft.
0014	2001-06-24	13:18:34	Törölve		

>>> 2001-06-24 13:33:22

\*\*\* Dokumentum vége \*\*\*

Lapok száma: 01

Every page of the document is numbered and has an „Original Copy” embossment like text on it.

If you want to archive list file or use for other purposes you can save it in CSV format in "File \ Entlist save as CSV" menu. A dialog box will open where you can name file and confirm your will. The software will save the file in CSV format using ASCII characters divided by semicolon.

This format can be read easily with many software such as EXCEL, WORD, etc. By using a special file which is not part of the system the original list.dat file can be recovered. This is the last chance to recover lost list.dat file. The appearing of the saved CSV format is the following.

- EL-04 -

Name of list file: ;.\lajstrom.csv

Name of original file: ;E:\T\_LOGGER\EL\_04TNT\lajstrom.dat

Date of saving: ;2001-06-24 13:33:29

list number: ;Identification/ier code : ;Name: ;Note : ;Date of list:

1 ;69000007ACB54C01 ;Tehérporta ind. ;\_1. / Fillér Rt. ;2001-05-15 10:35:17;  
 2 ;75000007ACACE601 ;Raktár folyosó ;\_2. / Fillér Rt. ;2001-05-15 10:35:36;  
 3 ;5300000006472D28 ;Készáru hűtő ;\_3. / Fillér Rt. ;2001-05-15 10:39:28;  
 4 ;23000007ACB12501 ;Palackozó ;\_4. / Fillér Rt. ;2001-05-15 10:37:58;  
 5 ;D1000007ACB40C01 ;Kazánház ;\_5. / Fillér Rt. ;2001-05-15 10:38:33;  
 6 ;EB000007ACB19F01 ;II.gazd. kapu ;\_6. / Fillér Rt. ;2001-05-15 10:38:52;



7	;14000007ACAC1801	;Vasuti kapu	;-7. / Fillér Rt.	;2001-05-15 10:40:18;
8	;09000007ACAE5D01	;Targ. Töltő	;-8. / Fillér Rt.	;2001-05-15 10:40:34;
9	;CF000007ACB2BB01	;Kamion parkoló	;11. / Fillér Rt.	;2001-05-15 10:44:02;
10	;49000007ACB56501	;Autóparkoló	;-9. / Fillér Rt.	;2001-05-15 10:41:03;
11	;8B000007ACACD801	;Teherport. ér.	;10. / Fillér Rt.	;2001-05-15 10:41:20;
12	;F6000006CC339D01	;Sándor Mátyás	;AV&Guard kf	;2001-05-15 10:32:12;
13	;F5000006CBDD3501	;Kelemen Elek	;AV&Guard kft	;2001-05-15 10:32:49;
14	;Deleted	;	;	;2001-06-24 13:18:34;



### **Maintenance of data collector:**

If you want to handle data collector with the help of the software, then place it into the horizontally placed adapter as you can see on the image. A separate spiral ring fastens data collector which suits to the inner bore of the head. For better suiting you have to turn data collector while pushing it mildly towards adapter. If the head do not move then do not turn it just push it mildly.

In the case of „MemoStangEco” sometimes a short sound can be heard until adapter and the data collector and PC synchronize with each other. It is not an error but a attribute during operation. „MemoStangEco” is able to charge itself from the adapter. So if the battery runs down then it can be read still. It may operate for a few hours after a longer charging period. During charge up you must close the software. In this case „MSReader's” green LED will flashing fast and data collector will indicate short red flashing. You can be sure about the result by running the software meanwhile.

The „Battery” field shows the state of inner energy container. Data collector is able to function properly above 2.8V. Data reading is possible above 2.2V.



Listing and the handling of data collector cannot be done in the same time. On the screen you will see the generic data of data collector and computer's inner calendar in „System clock” field. It is recommended to set this calendar according to Windows' time shown in the right left corner next to icon tray. There are different kind of tools for made especially for this purpose such as DCF mouse, software which set the properties according to atom clock via Internet or other network software, etc. It is important because it makes possible for the whole system to be concurrent and all device can operate in synchrony using exactly the same time set. „Last time set” field shows the actual value of data collector's calendar. In order to synchronize computer with data collector you need to press “>>” button under the field. At this time logger's clock will show the same time as computer's and actual time and date will be written into „Last time set” field which will be stored by data collector as well. This data is worth to be recorded. It is important because logged time by data collector is one of the main pillar of system security. data collector is able to log events in the order of occurrence which is the other important attribute of the system security.

If the logged time assigned to absolute order of events is not continuously increasing then during logging of events log clock was reset with the help of software which date is shown in „Last time set” field. So the system can be analyzed by the trustworthiness of logging clock, the last time set and the increasing order of events. These data will appear in every output mode (reporting files, printing, screen, etc.).

In Recorder notice you can assign 123 character long text information to data collector.



EL-04/MB - Esemény kiértékelő program

File Jelentések Szerviz Lajstrom Lista Info...

Gyári szám / SW ver: 29  
0A0000004F123904

Rendszer óra  
2003.01.06. 12:43:17

Naplózó óra  
2003.01.06. 12:43:17

Utolsó óraállítás:  
2003.01.06. 10:44:33

Adatgyűjtő notesz >> 37/123 karakter  
III. járőr Fillér Rt. külső telephely

Start Ismét Kész!

Állapot: >> ComPort = Com4

Naplózott adatok : 0647 / Utolsó adattörleszt : 2002.08.02. 14:05:55

Sorszám:	Dátum:	Relativ idő:	Típus:	Azonosítókód/Megnev.:
1				
2				
3				

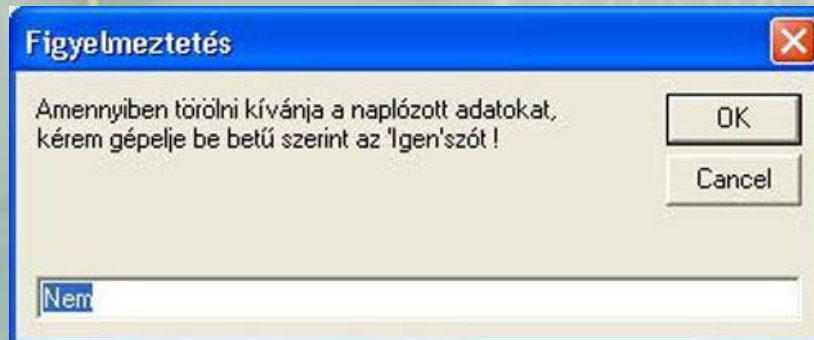
Serial number field presents the unique identifier code of data collector. Next to Serial number you can see SW ver:29 which shows the version of the actual software (now in this case it is 2.9) used by data collector. You can assign 123 characters long text information to data collector in „Recorder notices” which you can save into data collector by pressing „>>” button below the field. If the characters are not black but grey then you have to read data from data collector again by pressing button Repeat until notebook's characters become black.

In the frame of notebook there is a data „>> 37/123” which shows that 37 characters are used from 123.

The field „Records total” shows all of the logs of the data collector which is a rolled value which cannot be deleted. Field „Temperature” and „Battery” shows the latest parameters which were measured by data collector during last logging. These can be actualized by pressing „>” button. This is the monitoring of data collector's operation. At this time in a short time the indicator of data collector signs it's for operation by one green flash and with a short beep sound. The actual operating parameters are written into the right field and its status can be analyzed as well. These data are checked in the case of every checking. The data collector is run by a special 3,6 V lithium battery which can supply data collector with energy in extreme centigrade range. If the voltage drops below 3,1V near 20 C° degree then immediate replacement of the battery is needed. Anyway the software changes the background of „Battery” field into red if voltage is less than 3,48V indicating that the running down of battery has started.

In the lower part of the window you can find event log in table format. Above the frame of the log you find the number of logged events since

last deletion and the date of last deletion. By pressing button >Delete logbook< you can initiate the deletion of log.



By pressing OK button after typing „Yes” precisely data will be deleted. The date of last deletion will be stored in data collector and the number of logs will be zero.

It is important to know about the fact that this process actually does not delete the data from the data collector, just makes it invisible for standard reading.

Always the last 4096 (in case of SW ver.29 it is 2048) events are stored in data collector. These data can be read with a special program in case of a deletion. This program is not part of the system.

The reading of data starts with pressing Start button. At this time the Reading of data text appears in State field and the size of the green lane shows procession. The time of the reading depends on the number of data and the processing computer's velocity. It may lasts from a couple of seconds to a few minutes. During processing (Checking) the checking of data lines occurs. In this way wrong data line cannot get into the table. The maximum number of the data lines is 4096 and it consist of the following: ordinal number, the date and relative time of a data, type of identifier, code of identifier, name, features (voltage of battery, temperature) comment, date of listing, list number.

These data will be supplied with a controlling sum during processing which will be checked during evaluation. This ensures the high reliability of the data. After processing data lines get into chronological order into a numbered table, in which all data can be observed by scrolling rows and columns.

Data get into the log in absolute order of the events. The last data a row contains the last data in time. If a complete data line was found wrong during processing then „- -” signs will be added into it's raw in the table. If only an error occurs during processing ERROR IN LINE text will be registered in the log. Thus an event performs in the log with it's identification code, then it certainly occurred. The reliability (accuracy) of time assigned to an event depends on the accuracy (accurate setting) of the inner clock of data collector. The accuracy of the inner clock is



basically depends on the system operator.

The program calculates the relative time of chronological (checking time) and fills the proper fields.

If sign „<” performs in the list of a given checking point (the first and the second character of „Comment” field) then program calculates resting time and write a yellow “P:” character into „Relative time” field. If „>” sign performs in the list of a given checkpoint then the program calculates guarding time and writes yellow “K:” into „Relative time” field. The calculation of resting time starts with first registry „K:” and be written into field at registry „P:”.

The program is capable to compare checking time, guarding time, and resting time with the maximum and minimum of limit values on „Service” panel (see later).

If the given relative time is beyond the pale of the relevant limit values, then the program colors the given row red one then, in the case of printing it signals the difference with a „\*” character.

In the first row of the log the relative time field (implicitly) always empty, or if it is concur with starting and end point then the proper sign is shown (>. or <.).

EL-04/MB - Esemény kiértékelő program

File Jelentések Szerviz Lajstrom Lista Info...

Gyári szám / SW ver: 29  
0A0000004F123904

Rendszer óra  
2003.01.06. 10:45:05

Naplózó óra  
2003.01.06. 10:45:04

Utolsó óraállítás:  
2003.01.06. 10:44:33

>> Adattörölés <<

Adatgyűjtő notesz >> 37/123 karakter  
III. járóőr Fillér Rt. külső telephely

Össz.naplózás | Elem fész.: | Hőmérséklet - Adat feldolgozás

00001431 3,72 V 24 C\* < Start Ismét Kész!

Állapot: >> Adatok beolvasva!

Naplózott adatok : 0647 / Utolsó adattörölés : 2002.08.02. 14:05:55

Sorszám	Dátum	Relatív idő	Típus	Azonosító kód/Megnev.	Jellemzők
292	2002.08.18. 21:00:02	0:03:38	CheckPoint	Raktár folyosó	25,0 C°; 3,62V
293	2002.08.18. 21:02:18	0:02:16	CheckPoint	Palackozó	25,0 C°; 3,62V
294	2002.08.18. 21:04:12	K: 0:07:48	CheckPoint	Kazánház	25,0 C°; 3,62V
295	2002.08.19. 00:02:25	P: 2:58:13	CheckPoint	Teherporta	25,0 C°; 3,62V
296	2002.08.19. 00:04:53	0:02:28	CheckPoint	Raktár folyosó	24,0 C°; 3,62V
297	2002.08.19. 00:07:01	0:02:08	CheckPoint	Palackozó	24,0 C°; 3,62V
298	2002.08.19. 00:08:41	K: 0:06:16	CheckPoint	Kazánház	23,0 C°; 3,64V
299	2002.08.19. 01:39:16	P: 1:31:35	CheckPoint	Teherporta	24,0 C°; 3,62V
300	2002.08.19. 01:41:37	0:02:21	CheckPoint	Raktár folyosó	24,0 C°; 3,62V
301	2002.08.19. 01:43:33	0:02:55	CheckPoint	Palackozó	24,0 C°; 3,64V

The columns of event log are the following:

**Ordinal number:** shows the absolute order of the events, maximum of 4096. The latest event has the highest number.

**Date:** the assigned date and time to event by data collector

**Relative time:** the assigned time to events in chronological order by program.

**Type:** type of identifier, it can be CheckPoint, ThermoPoint. Events related to the operating of data collector are also logged: „MechShock“, „Dev\_Erase“, „Terminal“, „Clock\_Set“, „HW\_Reset“, „WD\_Reset“, „Batt\_Low“, „Delete logbook“, „Over\_Temp“, „Low\_Temp“ etc.

**Identification code/Name:** if the identifier generating event is listed, then the primary text information assigned to it will be shown otherwise the 8 byte hexadecimal codes will be shown in the field.

**Features:** if the event generator identifier is a CheckPoint, than the actual inner temperature of data collector and the voltage of battery. If it is a ThermoPoint then it is the temperature measured by the identifier device.

**Comment:** if the event generator identifier is listed then it is the secondary information assigned to it otherwise it is empty.

**Date of list:** if the event generator identifier is listed then the date assigned to it otherwise it is empty.

**Number of list:** if the event generator identifier is listed then it is the number of list assigned to it otherwise it is empty.

The data of the log can be observed, analyzed on the screen with the help of the rolling lanes.

The program makes it possible the analysis of events in this table, printing of selected rows or preparing an excerpt. In basic setup the ordering happens in the order of events (ordinal number). The sorting viewpoint of data rows can be set by double clicking on the header of the proper column. This column header will be highlighted in color indicating the current perspective of the order. In the case of not basic setup „Ordinal number“ is the secondary ordering aspect.

The direction of ordering according to values is shown by a little arrow in actual header. (Number, date, alphabetical order...) Rows can be selected with the mouse for printing. This selection must be coherent/continuous. If there is a highlighted row then the icon for printing appears. By pressing this icon you get the well-known Windows printing dialog box. For deselection you have to click on the header. To select all rows with right clicking with your mouse or by pressing „Space“ on your keyboard. In this case cursor cannot be on the header but on the table .



**EL-04/MB - Esemény kiértékelő program**

File Jelentések Szerviz Lajstrom Lista Info... Mechanikai Status: 0044

Gyári szám / SW ver: 41  
B00000004756F304

Rendszer óra  
2005.01.02. 17:41:11

Naplózó óra  
2005.01.02. 17:47:09  
>>

Utolsó óraállítás:  
2004.11.14. 20:32:36  
>> Adattörleszt <<

Adatgyűjtő notesz >> 10/123 karakter  
Tesztelvel

Össz.naplózás | Elem fesz.: | Hőmérséklet | Adat feldolgozás | Állapot: >> Adatok beolvasva!

00000041 | 3,63 V | 23 C° | < | Start | Ismét | Kész! |

Naplózott adatok : 0041 / Utolsó adattörleszt : 2004.10.27. 16:12:54

Sorszám:	Dátum:	Relativ idő:	Típus:	Azonosítókód/Megnev.:
37	2004.10.28. 16:34:08	0:22:48	Checkpoint	Kapu I.
3	2004.10.27. 16:57:24	0:39:25	Checkpoint	Kapu II.
10	2004.10.28. 10:21:31	0:00:34	Checkpoint	Kapu II.
11	2004.10.28. 10:22:30	0:00:59	Checkpoint	Kapu II.
13	2004.10.28. 10:42:27	0:16:05	Checkpoint	Kapu II.
14	2004.10.28. 10:44:29	0:02:02	Checkpoint	Kapu II.
15	2004.10.28. 11:45:30	1:01:01	Checkpoint	Kapu II.
7	2004.10.28. 10:15:49	0:36:57	Checkpoint	Kapu III.
8	2004.10.28. 10:20:40	0:04:51	Checkpoint	Kapu III.
22	2004.10.28. 13:36:13	0:06:29	Checkpoint	Kapu III.

With this method you can fasten the evaluation and selective documentation eg.: cohered events (same CheckPoints, same parks, etc.).

From the "Reports\Printing log" menu you can make report to printer directly in the order of events. For this at least an already installed printer in Windows system is needed which you select in appearing dialog box and confirm your will of printing. By the help of appearing dialog boxes you can set the ordinal number of log which features the first and last raw for printing according to the following:

Nyomtatási kezdő sor

Kérem írja be a nyomtatás kezdő sorát, mely értéke 001 és 035 között lehet!

001

Nyomtatás utolsó sora

Kérem írja be a nyomtatás utolsó sorát, mely értéke 001 és 035 között lehet!

035

For pressing OK the following report will be printed.

- EL-04/MB -

Jelentés események sorrendjében

Adatgyűjtő gyári szám : 0A0000004F123904 / SW ver: 29

Adatgy. notesz :

III. járőr Filler Rt. külső telephely

Lajstrom file neve : E:\Program Files\EL\_04\_MB\_v2\lajstrom.dat

Rendszer óra : 2003.01.06. 19:31:08

Napló óra : 2003.01.06. 19:31:08

Utolsó óraállítás: 2003.01.06. 14:12:20

Érvényes adatsorok száma: 647

Nyomtatott adatsorok száma: 027

Idő határértékek : min. [perc] max. [perc] jelek:

>> Csekkolási idő : 0000,0 0004,0 [\*]

>> Körbejárási idő : 0000,0 0020,0 [\*K]

>> Pihenési idő : 0000,0 0120,0 [\*P]

Naplózott adatok >>>

Nr.	Dátum	Idő	Típus	Megnevezés/kód	Megjegyzés	Jellemzők	Relatív idő
0292	2002.08.18.	21:00:02	CheckPoint	Raktár folyosó	Fillér Rt.	25,0 C°, 3,62V	0:03:38
0293	2002.08.18.	21:02:18	CheckPoint	Palackozó	Fillér Rt.	25,0 C°, 3,62V	0:02:16
0294	2002.08.18.	21:04:12	CheckPoint	Kazánház	<Fillér Rt.	25,0 C°, 3,62V	K: 0:07:48
0295	2002.08.19.	00:02:25	CheckPoint	Teherporta	>Fillér Rt.	25,0 C°, 3,62V	*P: 2:58:13
0296	2002.08.19.	00:04:53	CheckPoint	Raktár folyosó	Fillér Rt.	24,0 C°, 3,62V	0:02:28
0297	2002.08.19.	00:07:01	CheckPoint	Palackozó	Fillér Rt.	24,0 C°, 3,62V	0:02:08
0298	2002.08.19.	00:08:41	CheckPoint	Kazánház	<Fillér Rt.	23,0 C°, 3,64V	K: 0:06:16
0299	2002.08.19.	01:39:16	CheckPoint	Teherporta	>Fillér Rt.	24,0 C°, 3,62V	P: 1:31:35
0300	2002.08.19.	01:41:37	CheckPoint	Raktár folyosó	Fillér Rt.	24,0 C°, 3,62V	0:02:21
0301	2002.08.19.	01:43:33	CheckPoint	Palackozó	Fillér Rt.	24,0 C°, 3,64V	0:02:56
0302	2002.08.19.	01:45:12	CheckPoint	Kazánház	<Fillér Rt.	23,0 C°, 3,62V	K: 0:06:56
0303	2002.08.19.	03:06:27	CheckPoint	Teherporta	>Fillér Rt.	24,0 C°, 3,62V	P: 1:21:15
0304	2002.08.19.	03:08:43	CheckPoint	Raktár folyosó	Fillér Rt.	24,0 C°, 3,62V	0:02:16
0305	2002.08.19.	03:10:35	CheckPoint	Palackozó	Fillér Rt.	23,0 C°, 3,62V	0:02:52
0306	2002.08.19.	03:12:17	CheckPoint	Kazánház	<Fillér Rt.	23,0 C°, 3,62V	K: 0:06:50
0307	2002.08.19.	04:42:30	CheckPoint	Teherporta	>Fillér Rt.	24,0 C°, 3,62V	P: 1:30:13
0308	2002.08.19.	04:44:40	CheckPoint	Raktár folyosó	Fillér Rt.	23,0 C°, 3,62V	0:02:10
0309	2002.08.19.	04:46:26	CheckPoint	Palackozó	Fillér Rt.	23,0 C°, 3,62V	0:02:46
0310	2002.08.19.	06:02:19	CheckPoint	Teherporta	>Fillér Rt.	23,0 C°, 3,62V	* 1:16:53
0311	2002.08.19.	06:04:29	CheckPoint	Raktár folyosó	Fillér Rt.	23,0 C°, 3,62V	0:02:10
0312	2002.08.19.	06:06:58	CheckPoint	Palackozó	Fillér Rt.	22,0 C°, 3,62V	0:02:29
0313	2002.08.19.	06:09:10	CheckPoint	Kazánház	<Fillér Rt.	22,0 C°, 3,62V	*K: 1:27:40
0314	2002.08.19.	21:02:50	CheckPoint	Raktár folyosó	Fillér Rt.	26,0 C°, 3,62V	* 14:54:40
0315	2002.08.19.	21:05:22	CheckPoint	Teherporta	>Fillér Rt.	25,0 C°, 3,62V	*P: 14:56:12
0316	2002.08.19.	21:08:01	CheckPoint	Palackozó	Fillér Rt.	24,0 C°, 3,62V	0:03:39
0317	2002.08.19.	21:09:46	CheckPoint	Kazánház	<Fillér Rt.	24,0 C°, 3,62V	K: 0:04:24
0318	2002.08.19.	22:24:23	CheckPoint	Raktár folyosó	Fillér Rt.	25,0 C°, 3,62V	* 1:15:37

>>> 2003-01-06 19:31:41

\*\*\* Dokumentum vége \*\*\*

Lapok száma: 01

Every page of the document is numbered and supplied by an „Original copy” or „Original” embossment like text mark. This solution ensures paper-based system reliability. These documents are worthy to file and



preserve in those application which may be necessary for later proofing of certain events because documents are probably original.

If you want to archive or to continue processing log data in text format then in dialog box which appears by pressing "File/Save log as CSV" menu you can give a name for the file. After confirm the actual log will be saved in the particular file in the form of ASCII characters separated with semicolon (CSV).

This file format can be easily processed by other programs (eg.: EXCEL, WORD, etc.) but it is not suitable for proof because the originality of these documents cannot be ensured.

The figure below is an example for this.

	A	B	C	D	E
1	- EL-04/MB -				
2					
3	Adat file neve :				
4	C:\Vb_Projects\EL_04_MB.v20\FillerRt_2003_01_05.csv				
5	Lajstrom file neve :				
6	E:\Program Files\EL_04_MB_v2\Lajstrom.dat				
7	Adatgyűjtő gyári szám :	0A0000004F123904	SW ver: 29		
8	Rendszer óra :	2003.01.06. 19:12:39			
9	Napló óra :	2003.01.06. 19:12:39			
10	Utolsó óraállítás:	2003.01.06. 14:12:20			
11	Adatgy. notesz :				
12	III. járőr Filler Rt. külső telephely				
13	Idő határértékek :	min. [perc]	max. [perc]		
14	>> Csekkolási idő: [* ]	0	4		
15	>> Körbejárási idő: [*K:]	0	20		
16	>> Pihenési idő: [*P:]	0	120		
17	Érvényes adatsorok száma:	647			
18					
19	Naplózott adatok >>>				
20					
21	Dátum :	Relativ idő :	Tipus :	Azonosító kód :	Megnevezés :
22	2002.08.02. 20:58:13	>	CheckPoint	390000083B9DB801	Teherporta
23	2002.08.02. 21:01:04	0:03:51	CheckPoint	250000083B9D4AD1	Raktár folyosó
24	2002.08.02. 21:03:08	0:02:04	CheckPoint	310000083AE3A601	Palackozó
25	2002.08.02. 21:05:18	K: 0:07:05	CheckPoint	AF0000083ACE5D01	Kazánház
26	2002.08.02. 22:39:35	* 1:34:17	CheckPoint	250000083B9D4AD1	Raktár folyosó
27	2002.08.02. 22:42:10	P: 1:37:52	CheckPoint	390000083B9DB801	Teherporta
28	2002.08.02. 22:45:14	0:03:04	CheckPoint	310000083AE3A601	Palackozó

In the service menu of the program you can set the operation mode for data collector. If there is no data collector in the adapter then service panel related to system EL-03T will appear otherwise the following:

**EL-04/MB szerviz**

Készenléti idő [sec.]  [sec.]

Naplózás kezdete

Felülírás ☒ Igen

**Idő határérték beállítások**

**Csekkolások között**

Mértékegység

maximum

minimum

**Adatgyűjtő időzítés**

Limit:  [sec.]

Timer:  [sec.]

Status:

**Körbejárás idő**

Mértékegység

maximum

minimum

**Pihenő idő**

Mértékegység

maximum

minimum

The „Standby time” is the minimum specified time in second between two logging. In this case from latest checking until the time set expires data collector does not any kind of sing of operating. Seemingly it is not working and the its' consumption is minimal. If the system is used for check guarding then you may set the minimum time between to checkpoint thus the guard must stay on that particular area for that time in order to get CONFIRM from data collector. In this case if you connect the identifier to data collector in a fix way eg. ThermoPoint (electrically) then automatic logging occurs according to the setting of “Standby time”. The minimum Standby time is 100 second. It can be set between 100 and 1000 secundum by double clicking on the field.

**Készenléti idő [sec.]**

Kérem írja be, az adatgyűjtő készenléti idejét másodpecben, mely értéke 100 és 60000 között lehet!

Ez egy minimális idő, melynek el kell telni, két naplózás között!

The new value will be written into the particular field in grey color by pressing “OK”. To validate it along with other settings you have to press button “Setting”. In this case actual settings are saved into data collector then it will reread in a short time. If saving was successful then in particular fields new values will appear in black otherwise in grey or old



settings can be seen. At this time you can repeat the operation.

The Log start is the date since you can make registry into log. If checking was done right but logging according to logging clock has not occurred yet then data collector give a green sign and a „beep” sound. You can change this value by double clicking on the field.



The new value will be written into the particular field in grey color by pressing “OK”. To validate it along with other settings you have to press button “Setting”. The box “Overwriting” cannot be set, the logging mode is overwritten in every case.

The limit values for data collector which used for program checking used can be set by the help of windows below which appears after double clicking on the right field.



### Minimális csekkolási idő



Kérem írja be, max. 4 karakterben  
az elvárt maximális csekkolási időt percben,  
mely értéke max. 3, min. 0 lehet !

OK

Cancel

0

### Maximális körbejárási idő



Kérem írja be, max. 4 karakterben  
az elvárt maximális körbejárási időt percben,  
mely értéke max. 9999, min. 1 lehet !

OK

Cancel

30

### Maximális pihenési idő



Kérem írja be, max. 4 karakterben  
az elvárt maximális pihenési időt percben,  
mely értéke max. 9999, min. 1 lehet !

OK

Cancel

120

### Minimális körbejárási idő



Kérem írja be, max. 4 karakterben  
az elvárt maximális körbejárási időt percben,  
mely értéke max.19, min. 0 lehet !

OK

Cancel

10



**Minimális pihenési idő**

Kérem írja be, max. 4 karakterben az elvárt maximális pihenési időt percben, mely értéke max. 119, min. 0 lehet!

0

OK Cancel

The new value will be written into the particular field in grey color by pressing OK. To validate it along with other settings you have to press button "Setting".

The values set in Service panel are written into data collector and in every readout valuation will be made with parameters assigned to them.

By pressing Back button you return to program's main window.

If you press Repeat button data collector which is right in the adapter is read and the process begun afresh. If there is no data collector in adapter when pressing "Again" button then program returns for basic setup. At this time by in the place of "Again" button "Exit" button can be seen which you can use to close program. You can close the program by pressing X button of main window or with shortcut [Alt F4].

**EL-04/MB szerviz**

Készletléti idő [sec.] 100 [sec.] Naplózás kezdete 2009.05.06 10:51:22 Felülírás ☒ Igen

Idő határérték beállítások

Csekkolások között Mértékegység perc

maximum 60 minimum 0

Adatgyűjtő időzítés

Limit: 14400 [sec.] Timer: 15286 [sec.] 289C Javit

Körbejárési idő Mértékegység perc

maximum 120 minimum 60

Pihenő idő Mértékegység perc

maximum 30 minimum 0

Beállítás

With program you can test former type „MemoStangOne” data collector and you can correct certain type of errors if they occurs. In „Limit” field the limit value of actual timing can be seen. In „Timer” field actual state of data collector increasing in every second can be seen. In normal case if the value of „Timer” reach the value of „Limit” then new

limit value will be written into „Limit” field and „Timer” will be nulled and it continues timing from this point. If there is no error then by pressing „Test” button you can test timer.

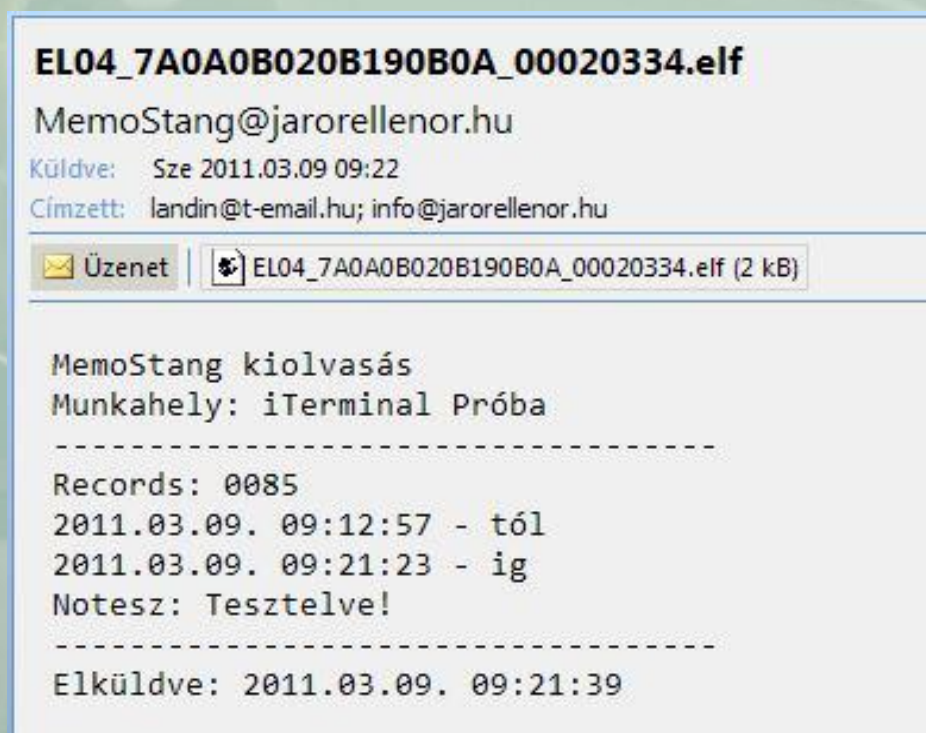
If there is some kind of error or its value is higher than „Limit” then

„Timer” does not change. It will be indicated by an exclamation mark and red color of „Timer”. This kind of error can be corrected by pressing „Correct” button. If the error still occurs then data collector needs to be repaired.

If there is some kind of error Service panel automatically appears when you connect data collector with the adapter otherwise you can open it from the menu.

## Processing of data collecting (.elf) files

These files are created by devices that support the system „MemoStang's” remote control such as CheckPointMail, CheckPointAlarm, PatrolCheck iTerminal, etc. These devices read out the particular data collector at the location (it can be anywhere, but needs GPRS network) and forward these data into servers of the system in the form of an email or web file via internet. After authentication these files can be downloaded from system's website or you can get as an email attachment. Beside attached data file a related data excerpt will be sent as well. For opening the email you can use standard email clients such as MSOutlook, Outlook Express, etc.



The Guard Checking program EL04/MB ver can do the processing of attached data files: 2.32 or higher.

Download emails sent by these devices with your email client. Make a folder for this purpose and save attached files there. You can make



further archival. The name of the file contains the serial number of data collector between the two under-bars and the actual value of „Records total” next to it. Thus you can work with a unique file name always. From these data and date of saving this files a perspicuous archives can be made. As a further safety email clients may archive these letters as well.

Open program EL-04/MB. If communication cable is not plugged into computer and it is not set as „FORBIDDEN” then you will get a „Cable and Port” error message on Info panel. After acknowledge this you may done required settings. During next opening of the program there will be no error message. Then select from menu „File” > „Load data file”.



The program opens files with „.elf” extension. It decrypts it and checks its integrity. If the integrity of data are not proper then the following message will be shown:

If there is no error message then data file will load as you directly read a data collector.

The dark background of „Module time” and „Last time set” is the only difference indicating these data are not „prompt” but created at the time of readout.

Henceforward you can use the system as it was described already. As a distinction in the header of output documents an „AF” sign is added which indicated these data are processed from a file.

If you associate „.elf” files successfully during the installation of the operating system then by double clicking on the (attached) file the evaluation program will be open and the particular data file will be loaded. If this method is not working but you need this then you need to associate „.elf” files according to the documentation of the operating system.

You can read more about online Net Patrol Information System [here](#).