



EU Data Act – metadata document dishwasher – Ecotronic-17-01 controls



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Introduction

Legal framework

Under the European Union's Data Act (the "EU Data Act") users of connected products, and of services related to connected products, have rights to certain data generated through the use of those products.

The EU Data Act grants EU Users the right to access the following types of data:

- readily available raw data generated by use of a product.
- metadata to help make the raw data understandable and usable.

EU Users are entitled lastly to Metadata to help make the raw data understandable and usable.

Purpose of this document

This document describes the raw data of machines that are subject to the provisions of the EU Data Act. The list of parameters includes all possible values that can exist for machines of the corresponding series and control system.

However, it is possible that not all of the parameters described can be found in the raw data. This is because, depending on the configuration and design of the machine, these parameters may not be available within the machine.

Machine types

The dishwashers of the machine series CS are basket-type dishwashers for commercial / industrial use. The machine has a modular structure and can be composed in different ways. One thing they all have in common is that they are all supplied with the **ECOTRONIC** (Ecotronic-17-01) control



Machine Data - Error log

Data is saved in a text file (txt) named “Hobart_error_log.txt”

Example:

```
*****  
***** Hobart S006 - Usb Log *****  
*****
```

```
Snapshot - mark [00005001]
```

```
[ E01 ]  
Counter : [ 177 ]  
Snapshot : [ 0 ]  
- : 4995  
+ : 4995  
- : 4957  
+ : 4957  
- : 4956  
+ : 4956  
- : 4939  
+ : 4939  
- : 4918  
+ : 4918  
- : 4843  
+ : 4843  
- : 4837  
+ : 4837
```

Data description:

- “Snapshot – mark “ value of Cycle Counter “C13” when error log has been downloaded
- “[E01]” number of the Error
- “Counter” overall appearance of this Error
- “Snapshot” (non functional)
- Last 30 coming (+) and going (-) events with value of Cycle Counter “C13”

- Errors CS-20-01

#	Error description	criticality
Er01	Fill time exceedance 1	heavy
Er02	Fill time exceedance 2	slight
Er03	Filling start temperature	medium
Er04	Booster temp undershot	medium
Er05	Fill time exceedance tank	heavy
Er06	Washtank temp undershot	medium
Er07	Doors open	slight
Er08	Blockage transport	heavy
Er09	Table End Switch	slight
Er10	Water niveau undershot	medium
Er11	Autotimer failure	slight
Er12	Fault Drain Complete	heavy
Er13	Upper limit pressure sensor wash tank exceeded	heavy
Er14	Upper limit pressure sensor prewash tank exceeded	heavy
Er15	Lower limit pressure sensor wash tank exceeded	heavy
Er16	Lower limit pressure sensor prewash tank exceeded	heavy
Er17	Emergency Stop	heavy
Er18	Failure communication CU with HMI	slight
Er19	USB stick not detected	slight
Er20	Failure USB	slight
Er21	Temperature Probe Cut	medium
Er22	Temperature Probe Cut	medium
Er23	Temperature Probe Shortcut	medium
Er24	Temperature Probe Shortcut	medium
Er25	Temperature control booster "out of bounds"	heavy
Er26	Temperature control tank "out of bounds"	heavy
Er27	Zero balance pressure sensor wash tank failed	slight
Er28	Zero balance pressure sensor prewash tank failed	slight
Er29	plausibility test	-

Machine Data – Parameter

Data is saved in a comma separated file (csv) named “Hobart_data_log.csv”

Example

```
*****;;;
*****      Hobart Data Log      *****;;;
*****;;;
ID;Description;Value;Unit
C8;Count P1;1;CYC
C9;Count P2;0;CYC
C10;Count P3;0;CYC
C13;Overall counter cycle;1;CYC
C15;Heater operating hours;0;HRS
C16;Fan operating hours;1;HRS
C20;Counter switching cycles DI1;0;CYC
C21;Counter switching cycles DI2;0;CYC
C22;Counter switching cycles DI3;0;CYC
C23;Counter switching cycles DI4;0;CYC
C24;Counter switching cycles DI5;0;CYC
C25;Counter switching cycles DI6;0;CYC
C26;Counter switching cycles DI7;0;CYC
C27;Counter switching cycles DI8;0;CYC
C28;Counter switching cycles DI9;0;CYC
C29;Counter switching cycles DI10;0;CYC
C30;Counter switching cycles DI11;0;CYC
C31;Counter switching cycles DI12;0;CYC
C32;Counter switching cycles DI13;0;CYC
C33;Counter switching cycles DI14;0;CYC
C34;Counter switching cycles DI15;0;CYC
C35;Counter switching cycles DI16;0;CYC
C36;Counter switching cycles DO1;1;CYC
C37;Counter switching cycles DO2;0;CYC
C38;Counter switching cycles DO3;0;CYC
C39;Counter switching cycles DO4;0;CYC
C40;Counter switching cycles DO5;0;CYC
C41;Counter switching cycles DO6;0;CYC
C42;Counter switching cycles DO7;0;CYC
C43;Counter switching cycles DO8;0;CYC
C44;Counter switching cycles DO9;2;CYC
C45;Counter switching cycles DO10;0;CYC
C46;Counter switching cycles DO11;0;CYC
C47;Counter switching cycles DO12;0;CYC
```

- Parameter CS-20-01

#	Description	Min	Max	Step	Tech. Unit	Einheit	Unit
C1	Operating hours machine on, total	0	59999940	1	MIN	MIN	MIN
C2	Operating hours conveyor on, total	0	59999940	1	MIN	MIN	MIN
C3	Operating hours wash active, total	0	59999940	1	MIN	MIN	MIN
C4	Operating hours rinse active, total	0	59999940	1	MIN	MIN	MIN

General Information

The files in which all stored data is provided has the extensions .csv and .txt. The files are unencrypted and can be opened with any text editor.

The file size depends on the machine type and the intensity of use of the machine. As a general rule, the file size is between 2 kB and 20 kB.

Data is available from the date the EU Data Act comes into force. All data generated by the machine can be downloaded by HMI Menu access onto a USB Pen Drive with maximum 16GB Volume size.