



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



Revision: 0.1  
Last Update: September 18, 2025

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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 rawdata 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 rawdata 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

“Ecomax by HOBART” Dishwashers are divided into two variants: Front loading dishwashers and Hood-type dishwashers. There are different models for different branches to cover all needs. Typically, these machines are used in restaurants and bars. One thing they all have in common is that they are all supplied with the **Ecotronic** (eco1701)



### 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 DW-Stationary

#	Error description	criticality
1	Temperature exceeded temperature sensor boiler	critical
2	Temperature too low temperature sensor boiler	critical
3	Thermostop boiler while washing exceeded Thermostop heater	uncritical
4	No enabling boiler heater	internal
5	Temperature exceeded temperature sensor tank	critical
6	Temperature too low temperature sensor tank	critical
7	Upper limit pressure sensor boiler exceeded	critical
8	Lower limit pressure sensor boiler exceeded	critical
9	Upper limit pressure sensor tank exceeded	critical
10	Lower limit pressure sensor tank exceeded	critical
11	Overflow protection pressure sensor tank	internal
12	Wash tank water level regulation failed	critical
13	Filling monitoring pressure sensor tank	critical
14	Tank drain while draining program pressure sensor tank	critical
15	Tank drain while washing program pressure sensor tank	internal
16	Door or hood switch (DII) do not switch	internal
17	Filling monitoring by impeller	uncritical
18	Filling monitoring by water level measuring boiler	uncritical
19	Detergent deficiency	uncritical
20	Rinse aid deficiency	uncritical
21	Program interrupted. Close door / hood	critical
22	Regeneration salt depleted	uncritical
23	Failure USB	internal
24	USB stick not detected	internal
25	Failure communication CU with HMI	internal
26	Zero balance pressure sensor boiler failed	internal
27	Zero balance pressure sensor tank failed	internal
28	Water level wash tank too low when program starts	internal
29	Remaining water quantity external water treatment depleted	uncritical
30	Thermostop boiler while filling exceeded	uncritical
31	Filling valve monitoring	critical
32	Execute Hygiene program	uncritical
33	Malfunction Hood-Lift	critical
34	Hood blocked	uncritical
35	External filling valve monitoring	critical
36	External filling valve monitoring	critical

- Errors AMDT

#	Error description	criticality
1	Temperature exceeded temperature sensor heater	uncritical
2	Temperature too low temperature sensor heater	uncritical
3	Thermostop heater	uncritical
23	Failure USB	internal
24	USB stick not detected	internal
25	Failure communication CU with HMI	internal
37	Fan failure	critical

## 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 DW-Stationary

#	Description	Min	Max	Step	Tech. Unit	Einheit	Unit
C7	Softener remaining water capacity till regeneration	0	9999	1		L	L
C8	Count PB1	0	999999	1		WASCH	WASH
C9	Count PB2	0	999999	1		WASCH	WASH
C10	Count PB3	0	999999	1		WASCH	WASH
C11	Count PB4	0	999999	1		WASCH	WASH
C12	Count Hygiene	0	999999	1		WASCH	WASH
C13	Overall counter rinse cycle	0	999999	1		WASCH	WASH
C18	Counter FILLING program	0	999999	1		FÜLL	FILL
C19	Counter DRAINING program	0	999999	1		ABL	DRAIN
C20	Counter switching cycles DI1	0	999999	1		ZYK	CYC
C21	Counter switching cycles DI2	0	999999999	1		ZYK	CYC
C22	Counter switching cycles DI3	0	999999	1		ZYK	CYC
C23	Counter switching cycles DI4	0	999999	1		ZYK	CYC
C24	Counter switching cycles DI5	0	999999	1		ZYK	CYC
C25	Counter switching cycles DI6	0	999999	1		ZYK	CYC
C26	Counter switching cycles DI7	0	999999	1		ZYK	CYC
C27	Counter switching cycles DI8	0	999999	1		ZYK	CYC
C28	Counter switching cycles DI9	0	999999	1		ZYK	CYC
C29	Counter switching cycles DI10	0	999999	1		ZYK	CYC
C30	Counter switching cycles DI11	0	999999	1		ZYK	CYC
C31	Counter switching cycles DI12	0	999999	1		ZYK	CYC
C32	Counter switching cycles DI13	0	999999	1		ZYK	CYC
C33	Counter switching cycles DI14	0	999999	1		ZYK	CYC
C34	Counter switching cycles DI15	0	999999	1		ZYK	CYC
C35	Counter switching cycles DI16	0	999999	1		ZYK	CYC
C36	Counter switching cycles DO1	0	999999	1		ZYK	CYC
C37	Counter switching cycles DO2	0	999999	1		ZYK	CYC
C38	Counter switching cycles DO3	0	999999	1		ZYK	CYC
C39	Counter switching cycles DO4	0	999999	1		ZYK	CYC
C40	Counter switching cycles DO5	0	999999	1		ZYK	CYC
C41	Counter switching cycles DO6	0	999999	1		ZYK	CYC
C42	Counter switching cycles DO7	0	999999	1		ZYK	CYC
C43	Counter switching cycles DO8	0	999999	1		ZYK	CYC
C44	Counter switching cycles DO9	0	999999	1		ZYK	CYC
C45	Counter switching cycles DO10	0	999999	1		ZYK	CYC
C46	Counter switching cycles DO11	0	999999	1		ZYK	CYC
C47	Counter switching cycles DO12	0	999999	1		ZYK	CYC
C51	Count external water treatment	0	999999	1		L	L

<b>C54</b>	Number rinse cycle till demand of hygiene cycle	0	9999	1		WASCH	WASH
<b>C55</b>	Count PB5	0	999999	1		WASCH	WASH
<b>C56</b>	Count PB6	0	999999	1		WASCH	WASH
<b>C57</b>	Count PB7	0	999999	1		WASCH	WASH
<b>C58</b>	Count PB8	0	999999	1		WASCH	WASH
<b>C59</b>	Count PB9	0	999999	1		WASCH	WASH

- Parameter AMDT

#	Description	Min	Max	Step	Tech. Unit	Einheit	Unit
<b>C8</b>	Count P1	0	999999	1		ZYK	CYC
<b>C9</b>	Count P2	0	999999	1		ZYK	CYC
<b>C10</b>	Count P3	0	999999	1		ZYK	CYC
<b>C13</b>	Overall counter cycle	0	999999	1		ZYK	CYC
<b>C15</b>	Heater operating hours	0	99999	1		STD	HRS
<b>C16</b>	Fan operating hours	0	99999	1		STD	HRS
<b>C20</b>	Counter switching cycles DI1	0	999999	1		ZYK	CYC
<b>C21</b>	Counter switching cycles DI2	0	999999	1		ZYK	CYC
<b>C22</b>	Counter switching cycles DI3	0	999999	1		ZYK	CYC
<b>C23</b>	Counter switching cycles DI4	0	999999	1		ZYK	CYC
<b>C24</b>	Counter switching cycles DI5	0	999999	1		ZYK	CYC
<b>C25</b>	Counter switching cycles DI6	0	999999	1		ZYK	CYC
<b>C26</b>	Counter switching cycles DI7	0	999999	1		ZYK	CYC
<b>C27</b>	Counter switching cycles DI8	0	999999	1		ZYK	CYC
<b>C28</b>	Counter switching cycles DI9	0	999999	1		ZYK	CYC
<b>C29</b>	Counter switching cycles DI10	0	999999	1		ZYK	CYC
<b>C30</b>	Counter switching cycles DI11	0	999999	1		ZYK	CYC
<b>C31</b>	Counter switching cycles DI12	0	999999	1		ZYK	CYC
<b>C32</b>	Counter switching cycles DI13	0	999999	1		ZYK	CYC
<b>C33</b>	Counter switching cycles DI14	0	999999	1		ZYK	CYC
<b>C34</b>	Counter switching cycles DI15	0	999999	1		ZYK	CYC
<b>C35</b>	Counter switching cycles DI16	0	999999	1		ZYK	CYC
<b>C36</b>	Counter switching cycles DO1	0	999999	1		ZYK	CYC
<b>C37</b>	Counter switching cycles DO2	0	999999	1		ZYK	CYC
<b>C38</b>	Counter switching cycles DO3	0	999999	1		ZYK	CYC
<b>C39</b>	Counter switching cycles DO4	0	999999	1		ZYK	CYC
<b>C40</b>	Counter switching cycles DO5	0	999999	1		ZYK	CYC
<b>C41</b>	Counter switching cycles DO6	0	999999	1		ZYK	CYC
<b>C42</b>	Counter switching cycles DO7	0	999999	1		ZYK	CYC
<b>C43</b>	Counter switching cycles DO8	0	999999	1		ZYK	CYC
<b>C44</b>	Counter switching cycles DO9	0	999999	1		ZYK	CYC
<b>C45</b>	Counter switching cycles DO10	0	999999	1		ZYK	CYC
<b>C46</b>	Counter switching cycles DO11	0	999999	1		ZYK	CYC
<b>C47</b>	Counter switching cycles DO12	0	999999	1		ZYK	CYC

## 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.