EU Data Act – metadata document dishwasher – Visio1801 controls

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Content

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

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 **VISIOTRONIC** (Visio1801) control and can therefore be connected to the Internet via WiFi. The data can be send to SmartConnect365 from which the raw data can be obtained

General Information about the RAW data

The RAW data is output as a structured JSON file. The file can be opened with any text editor and is available unencrypted as plain text.

Within the JSON object, there are different sections in which the information is listed.

As a rule, the machines do not send data continuously, but only at certain events. Accordingly, only the data that was available at the time of the data query is available.

Example of a RAW data structure as JSON


```
[
  {
    "command": "Send_Machine_Data",
    "header": {
      "serial_number_machine": "99999999999",
      "machine_type": "Name",
      "mac_address_hobart": "XX:XX:XX:XX:XX:XX",
      "sw_version_BAE": "02.067",
      "sw_version_STE": "2.8.273",
      "machine_time": "2025-07-25T14:17:06",
      "protocol_version": "1.0.0",
      "serial_number_BAE": "999999999999",
      "serial_number_STE": "999999999999"
    },
    "content": {
      "error_log": [
        {
          "error": "22",
          "set": [
            "2025-07-25T12:42:24"
          ],
          "quit": [
            "2025-07-25T13:07:13"
          ]
        }
      ],
      "hygiene_protocol": {
        "2025-07-25T14:13:31.000": "14",
        "2025-07-25T13:07:16.001": "17",
        "2025-07-25T12:42:23.002": "4",
        "2025-07-25T12:36:09.003": "17",
        "2025-07-25T11:51:17.004": "14",
        "2025-07-25T11:51:10.005": "14",
        "2025-07-24T14:54:40.006": "14",
        "2025-07-22T11:21:08.007": "14",
        "2025-07-15T08:55:28.008": "4",
        "2025-07-15T08:55:28.009": "17",
        "2025-07-15T08:52:02.010": "17"
      },
      "parameter": {
        "T203": "15",
        "C100": "0",
        "C101": "3",
        "C102": "0",
        "C103": "0",
        "C104": "3",
        "C105": "0",
        "C106": "0",
        "C107": "0",
        "C110": "0",
        "C111": "1",
        "C112": "1",
        "C113": "0",
        "C114": "0",
        "C124": "0",
        "C125": "0",
```

Visio1801 - Data

Send Machine Data

Interval
Each machine sends its data to the cloud two minutes after it is turned off or before midnight. Some machines will also send this information additionally during the day.

Send Machine Data – Header


```
{
  "command": "Send_Machine_Data",
  "header": {
    "serial_number_machine": "99999999999999",
    "machine_type": "XXXXXXXXXXXX",
    "mac_address_hobart": "AB:AC:22:11:XX:A1",
    "sw_version_BAE": "02.067",
    "sw_version_STE": "2.8.273",
    "machine_time": "YYYY-MM-DDTHH:MM:SS",
    "protocol_version": "1.0.0",
    "serial_number_BAE": "999999999999",
    "serial_number_STE": "999999999999"
  },
```


Send Machine Data - Error log

Example:


```
"error_log": [
  {
    "error": "22",
    "set": [
      "2025-07-25T12:42:24"
    ],
    "quit": [
      "2025-07-25T13:07:13"
    ]
```


Data description:

#	Error description	criticality
1	Failure temperature booster probe. Contact service technician.	critical
2	Failure temperature booster probe. Contact service technician.	critical
3	Temperature not reached. Contact service technician.	uncritical
4	Temperature not reached. Contact service technician.	uncritical
5	-	internal
6	Failure temperature wash tank probe. Contact service technician.	critical
7	Failure temperature wash tank probe. Contact service technician.	critical

8	Temperature not reached. Contact service technician.	uncritical
9	Temperature not reached. Contact service technician.	uncritical
10	-	internal
11	Failure temperature wash chamber probe. Contact service technician.	critical
12	Failure temperature wash chamber probe. Contact service technician.	critical
13	Disinfection not guaranteed. Contact service technician.	critical
14	Failure pressure sensor booster. Contact service technician.	critical
15	Failure pressure sensor booster. Contact service technician.	critical
16	Failure pressure sensor wash tank. Drain and restart machine.	critical
17	Failure pressure sensor wash tank. Drain and restart machine.	critical
18	Wash tank water level regulation.	uncritical
19	Tank strainer blocked. Remove strainer, clean and put back in place.	critical
20	Failure pressure sensor wash tank. Drain and restart machine.	critical
21	Drain hose is blocked. Clean drain hose and drain machine again. If necessary contact service technician.	uncritical
22	Drain hose is blocked. Clean drain hose.	critical
23	Filling system defective. Water supply quantity too low.	critical
24	-	internal
25	-	internal
26	-	internal
27	-	internal
28	-	internal
29	Program interrupted. Close door / hood.	uncritical
30	-	internal
31	Check if inlet / tap is open	critical
32	Check if inlet / tap is open	critical
33	Filling system defective. Contact service technician.	critical
34	Service interval due. Contact service technician.	uncritical
35	Put strainer correctly in place.	critical
36	Detergent deficiency. Refill detergent.	uncritical
37	Rinse aid deficiency. Refill rinse aid.	uncritical
38	Supply voltage too high. Machine has switched off.	uncritical
39	Filling program interrupted. Close door.	uncritical
40	Execute Hygiene program.	uncritical
41	External water treatment depleted. Replace.	uncritical
42	Prefilter reverse osmosis depleted. Replace.	uncritical
43	Salt deficiency. Refill softener with granular regeneration salt.	uncritical
44	Salt deficiency. Refill softener with granular regeneration salt.	critical
45	Number of rinse cycles without regeneration salt exceeded. Contact service technician.	critical
46	-	internal
47	-	internal
48	-	internal
49	operation disturbed. Contact service technician.	critical
50	-	internal
51	-	internal
52	Fault in the filling or drain system. Contact service technician. Disconnect machine from the water and power supply!	critical
53	Install and fasten the drying heating cover properly.	uncritical
54	Install strainer drawer properly. ASR is disabled.	uncritical
55	Malfunction in drain system soil tank. Clean the drain hose if necessary and pump-out the machine again. ASR is disabled.	uncritical
56	Malfunction Hoodlift	critical
57	Water level in wash tank too low. Adjustment running	uncritical
58	Hood blocked	uncritical
59	No data transfer to cloud possible.	uncritical
60	Failure RO running permanently. Inform service.	uncritical
61	Failure RO without electricity. Inform service.	critical
62	Failure RO in standby. Inform service.	critical
63	Failure RO supply water pressure too low. Inform service.	critical

64	Failure RO leaking. Close water supply. Inform service.	critical
65	VAPOSTOP²/TOPDRY defective and deactivated. Contact service technician.	uncritical
66	VAPOSTOP²/TOPDRY defective and deactivated. Contact service technician.	uncritical
67	VAPOSTOP²/TOPDRY defective and deactivated. Contact service technician.	uncritical
68	Failure temperature probe VAPOSTOP²/TOPDRY. Contact service technician.	uncritical
69	Failure temperature probe VAPOSTOP²/TOPDRY. Contact service technician.	uncritical
70	Wash temperature too low. Contact service technician.	uncritical
71	Rinse temperature too low. Contact service technician.	uncritical
72	-	internal
73	-	internal

Send Machine Data – Hygiene Protocol

Example:


```
"hygiene_protocol": {
  "2025-07-25T14:13:31.000": "14",
  "2025-07-25T13:07:16.001": "17",
  "2025-07-25T12:42:23.002": "4",
  "2025-07-25T12:36:09.003": "17",
  "2025-07-25T11:51:17.004": "14",
  "2025-07-25T11:51:10.005": "14",
  "2025-07-24T14:54:40.006": "14",
  "2025-07-22T11:21:08.007": "14",
  "2025-07-15T08:55:28.008": "4",
  "2025-07-15T08:55:28.009": "17",
  "2025-07-15T08:52:02.010": "17"
},
```


Data Description

Event number	Describtion
1	Wash temperature too low
2	Rinse temperature too low
3	Thermal disinfection aborted
4	Washing aborted by user
5	Rinse aid deficiency
6	Rinse aid deficiency remedied
7	Detergent deficiency
8	Detergent deficiency remedied
9	Salt deficiency
10	Salt deficiency remedied
11	Service interval
12	Demineralization cartridge depleted
13	Hygiene program request
14	Filling program
15	Draining program
16	Short
17	Standard
18	Intensive

19	Eco
20	Steam wash
21	Intensive with steam + chemicals
22	Cold rinse
23	Protein removal
24	Fill + dump
25	Continuous
26	Cutlery
27	Hygiene
28	Basic clean
29	Descaling
30	Coffee cups
31	Thermal disinfection
32	Cold prewash
33	Eco 1,9l
34	Bottles
35	Lower Level Disabled
36	Lower Level Enabled
37	Hygiene / Hygiene
38	Short / Short
39	Standard / Standard
40	Intensive / Intensive
41	Continuous / Continuous
42	Basic clean / Basic clean
43	Short / Utensil wash
44	Standard / Utensil wash
45	Intensive / Utensil wash
46	Continuous / Utensil wash
47	Utensil rinse

Send Machine Data – Parameter

Example

```
"parameter": {
  "T203": "15",
  "C100": "0",
  "C101": "3",
  "C102": "0",
  "C103": "0",
  "C104": "3",
  "C105": "0",
  "C106": "0",
  "C107": "0",
  "C110": "0",
  "C111": "1",
  "C112": "1",
  "C113": "0",
  "C114": "0",
  "C124": "0",
  "C125": "0",
  "C126": "0",
  "C127": "0",
  "C128": "4",
  "C129": "22",
  "C130": "180",
  "C131": "24",
```


Data Describtion

#	Describtion	Min	Max	Step	Tech. Unit	Einheit	Unit
T203	Measured value for total duration filling program	1	9999	1	min	min	min
C4	Softener calculated capacity	0	9999	1	l	l	l
C5	Softener remaining water capacity till regeneration	0	9999	1	l	l	l
C6	SS residual value failed calibration in a row (error 028)	0	999	1	count	KAL	CAL
C8	Softener reverse counter (error 044)	0	999	1	count	WASCH	WASH
C10	Softener reverse counter (error 045)	0	999999	1	l	l	l
C11	Softener water consumption while salt deficiency	0	999999	1	l	l	l
C13	Overall counter rinse cycle	0	999999	1	count	WASCH	WASH
C14	Daily counter rinse cycle	0	999	1	count	WASCH	WASH
C15	Count programme with Highpressure	0	999999	1	count	WASCH	WASH
C16	Count SHORT programme	0	999999	1	count	WASCH	WASH
C17	Count STANDARD programme	0	999999	1	count	WASCH	WASH
C18	Count INTENSIVE programme	0	999999	1	count	WASCH	WASH
C19	Count ECO programme	0	999999	1	count	WASCH	WASH
C20	Count STEAM WASH programme	0	999999	1	count	WASCH	WASH
C21	Count STEAM WASH + CHEMISTRY programme	0	999999	1	count	WASCH	WASH

C22	Count COLD RINSE programme	0	999999	1	count	WASCH	WASH
C23	Count E-SAVE programme	0	999999	1	count	WASCH	WASH
C24	Count FILL + DUMP programme	0	999999	1	count	WASCH	WASH
C25	Count CONTINUOUS programme	0	999999	1	count	WASCH	WASH
C26	Count CUTLERY programme	0	999999	1	count	WASCH	WASH
C27	Count HYGIENE programme	0	999999	1	count	WASCH	WASH
C28	Count BASIC CLEAN programme	0	999999	1	count	WASCH	WASH
C29	Count DELIMING programme	0	999999	1	count	WASCH	WASH
C30	Count COFFEE CUPS programme	0	999999	1	count	WASCH	WASH
C31	Count THD programme	0	999999	1	count	WASCH	WASH
C32	Count COLD WATER PREWASH	0	999999	1	count	WASCH	WASH
C33	Count GLASSES programme	0	999999	1	count	WASCH	WASH
C34	Count BOTTLES programme	0	999999	1	count	WASCH	WASH
C35	Count FILLING programme	0	999999	1	count	WASCH	WASH
C36	Count DRAINING programme	0	999999	1	count	WASCH	WASH
C37	Count overall water consumption	0	999999	1	l	l	l
C38	Count SHORT DRAINING programme	0	999999	1	count	WASCH	WASH
C39	Softener water consumtion	0	999999	1	l	l	l
C40	Rinse cycle water consumption	0	999999	1	l	l	l
C41	Filling program water consumption	0	999999	1	l	l	l
C42	Daily water consumption	0	999999	1	l	l	l
C44	Count external water treatment	0	999999	1	l	l	l
C46	Count service interval	0	999999	1	h	h	h
C47	Attended time counter overall active programme	0	999999	1	h	h	h
C48	Attended time counter overall machine READY	0	999999	1	h	h	h
C49	Attended time counter daily active programme	0	23:59	00:01	time	hh:mm	hh:mm
C50	Attended time counter daily machine READY	0	23:59	00:01	time	hh:mm	hh:mm
C51	Detergent consumption overall	0,0	99999,9	0,1	l	l	l
C52	Rinse aid consumption overall	0,0	99999,9	0,1	l	l	l
C53	Quantity external water treatment depleted	0	999999	1	l	l	l
C59	Count switching cycles DI1	0	999999	1	count		
C60	Count switching cycles DI2	0	999999999	1	count		
C61	Count switching cycles DI3	0	999999	1	count		
C62	Count switching cycles DI4	0	999999	1	count		

C63	Count switching cycles DI5	0	999999	1	count		
C64	Count switching cycles DI6	0	999999	1	count		
C65	Count switching cycles DI7	0	999999	1	count		
C66	Count switching cycles DI8	0	999999	1	count		
C67	Count switching cycles DI9	0	999999	1	count		
C68	Count switching cycles DI10	0	999999	1	count		
C69	Count switching cycles DI11	0	999999	1	count		
C70	Count switching cycles DO1	0	999999	1	count		
C71	Count switching cycles DO2	0	999999	1	count		
C72	Count switching cycles DO3	0	999999	1	count		
C73	Count switching cycles DO4	0	999999	1	count		
C74	Count switching cycles DO5	0	999999	1	count		
C75	Count switching cycles DO6	0	999999	1	count		
C76	Count switching cycles DO7	0	999999	1	count		
C77	Count switching cycles DO8	0	999999	1	count		
C78	Count switching cycles DO9	0	999999	1	count		
C79	Count switching cycles DO10	0	999999	1	count		
C80	Count switching cycles DO11	0	999999	1	count		
C81	Count switching cycles DO12	0	999999	1	count		
C82	Count switching cycles DO13	0	999999	1	count		
C83	Count switching cycles DO14	0	999999	1	count		
C84	Count switching cycles DO15	0	999999	1	count		
C85	Count switching cycles DO16	0	999999	1	count		
C86	Count switching cycles DO17	0	999999	1	count		
C87	Count switching cycles DO18	0	999999	1	count		
C88	Count switching cycles DO19	0	999999	1	count		
C89	Count switching cycles DO20	0	999999	1	count		
C90	Count switching cycles DO21	0	999999	1	count		
C91	Count switching cycles DO22	0	999999	1	count		
C95	Number rinse cycle till demand of hygiene cycle	0	9999	1	count	WASCH	WASH
C97	Selected degree of water hardness	1	35	1	count	°dH	°dH
C99	SS turbidity level 0	0	999999	1	count	WASCH	WASH
C100	SS turbidity level 1	0	999999	1	count	WASCH	WASH
C101	SS turbidity level 2	0	999999	1	count	WASCH	WASH
C102	SS failed calibration	0	999999	1	count	WASCH	WASH
C103	SS successful calibrations in a row	0	999999	1	count	WASCH	WASH
C104	SS turbidity step 1	0	999999	1	count	WASCH	WASH

C105	SS turbidity step 2	0	999999	1	count	WASCH	WASH
C106	SS turbidity step 3	0	999999	1	count	WASCH	WASH
C107	SS turbidity step 4	0	999999	1	count	WASCH	WASH
C110	Count switching cycles DI12	0	999999	1	count		
C111	Count switching cycles DI13	0	999999	1	count		
C112	Count switching cycles DI14	0	999999	1	count		
C113	Count switching cycles DI15	0	999999	1	count		
C114	Count switching cycles DI16	0	999999	1	count		
C115	ASR max Level 1 in a row	0	100	1	count	WASCH	WASH
C116	ASR Cycles ASR-pump drain	0	100	1	count	ABL	DRAIN
C117	ASR Count Level 1	0	999999	1	count	WASCH	WASH
C118	ASR Count Level 2	0	999999	1	count	WASCH	WASH
C119	ASR Count Level 3	0	999999	1	count	WASCH	WASH
C121	Count switching cycles DI21	0	999999	1	count		
C122	Count switching cycles DI22	0	999999	1	count		
C123	ASR below min wash tank level	0	999999	1	count		
C124	Count switching cycles DI17	0	999999	1	count		
C125	Count switching cycles DI18	0	999999	1	count		
C126	Count switching cycles DI19	0	999999	1	count		
C127	Count switching cycles DI20	0	999999	1	count		
C128	Count switching cycles DO23	0	999999	1	count		
C129	Count switching cycles DO24	0	999999	1	count		
C130	DO1 on time	0	4294967295	1	s	s	s
C131	DO2 on time	0	4294967295	1	s	s	s
C132	DO3 on time	0	4294967295	1	s	s	s
C133	DO4 on time	0	4294967295	1	s	s	s
C134	DO5 on time	0	4294967295	1	s	s	s
C135	DO6 on time	0	4294967295	1	s	s	s
C136	DO7 on time	0	4294967295	1	s	s	s
C137	DO8 on time	0	4294967295	1	s	s	s
C138	DO9 on time	0	4294967295	1	s	s	s
C139	DO10 on time	0	4294967295	1	s	s	s
C140	DO11 on time	0	4294967295	1	s	s	s
C141	DO12 on time	0	4294967295	1	s	s	s
C142	DO13 on time	0	4294967295	1	s	s	s
C143	DO14 on time	0	4294967295	1	s	s	s
C144	DO15 on time	0	4294967295	1	s	s	s
C145	DO16 on time	0	4294967295	1	s	s	s
C146	DO17 on time	0	4294967295	1	s	s	s
C147	DO18 on time	0	4294967295	1	s	s	s
C148	DO19 on time	0	4294967295	1	s	s	s
C149	DO20 on time	0	4294967295	1	s	s	s
C150	DO21 on time	0	4294967295	1	s	s	s
C151	DO22 on time	0	4294967295	1	s	s	s
C152	DO23 on time	0	4294967295	1	s	s	s
C153	DO24 on time	0	4294967295	1	s	s	s

C154	daily power consumption	0	1000000	0,1	count	kWh	kWh
C155	total power consumption	0	1000000	0,1	count	kWh	kWh
C158	TOPDRY drying completed	0	999999	1	count	TROCK	DRY
C159	TOPDRY drying extension completed	0	999999	1	count	TROCK	DRY
C160	TOPDRY drying aborted	0	999999	1	count	TROCK	DRY
C165	TOPDRY steam storage status	1	100	1	count	%	%
C166	Count Utensil Program	0	999999	1	count	WASCH	WASH
C168	ASR down counter ASR Level 1	0	100	1	count		
C171	Total Sanitizer consumption	0	99999,9	0,1	l	l	l
C173	Hardness in grain/gallon	1	35	1	count	gr/gal	gr/gal
C175	Cycle Count Until Delime	0	1000	1	count		
C177	Watervolume between delime cycles	0	4294967295	1	l	l	l
C178	Cycle Timer	0	4294967295	1	s	s	s
C179	Total Water Consumption after Delime Cycle	0	999999	1	l	l	l
C180	Water consumption since last delime	0	999999	1	l	l	l
C187	Count switching cycles DO25	0	999999	1	count		
C188	Count switching cycles DO26	0	999999	1	count		
C189	Count switching cycles DO27	0	999999	1	count		
C190	Count switching cycles DO28	0	999999	1	count		
C191	Count switching cycles DO29	0	999999	1	count		
C192	Count switching cycles DO30	0	999999	1	count		
C193	DO25 on time	0	4294967295	1	s	s	s
C194	DO26 on time	0	4294967295	1	s	s	s
C195	DO27 on time	0	4294967295	1	s	s	s
C196	DO28 on time	0	4294967295	1	s	s	s
C197	DO29 on time	0	4294967295	1	s	s	s
C198	DO30 on time	0	4294967295	1	s	s	s
C204	Number of low rinse temp cycles	0	100	1	count		
C205	Delime reminder declined	0	100	1	count		
C206	Programs runwithout detergent	0	100	1	count		
C207	Programs run without rinse aid	0	100	1	count		
C208	Programs run without sanitizer	0	100	1	count		
C209	Count manual drain	0	999999	1	count	WASCH	WASH
C211	Wash programs since last delime	0	999999	1	count	WASCH	WASH
C212	Counter error 74 triggered	0	999999	1	count		
C213	Counter error 76 triggered	0	999999	1	count		
C214	Counter error 87 triggered	0	999999	1	count		

C215	Counter error 4 triggered	0	999999	1	count		
C216	WiFi Counter reminder	0	999999	1	count		
C218	DO8 + DA1 on time	0	4294967295	1	count		
C219	DO9 + DA1 on time	0	4294967295	1	count		
C220	WiFi counter filling program	0	100	1	count		
C221	WiFi Preset for C220	0	100	1	count		
C222	TOPDRY drying number measurement error (error 065)	0	10	1	count		
A56	B3 zero balance offset	-0,06	0,06	0,01	V	V	V
A67	B3 SS offset for refilling booster level eco/cwp	0,00	3,50	0,01	V	V	V
A68	B3 filling off GRP700	0,00	3,50	0,01	V	V	V
A86	B4 SS offset pre draining	0,00	3,50	0,01	V	V	V
A96	B4 zero balance offset	-0,06	0,06	0,01	V	V	V
A100	Flow rate filling valve	0,1	20	0,1	l/min	l/min	l/min
A104	detergent denisty	0,9	1,5	0,01	factor	g/cm³	g/cm³
A105	rinse aid density	0,9	1,5	0,01	factor	g/cm³	g/cm³
A114	Time	00:00	23:59	00:01	time	hh:mm	hh:mm
A115	Date	01.01.2012	01.01.2099	-	date	DD.MM.YYYY	DD.MM.YYYY
A122	Remaining time of setpoint A121 (error 042)	0	24	1	count	MON	MON
A125	B5 SS calibration value	0,00	20,00	0,01	mA	mA	mA
A126	B5 SS last average value	0,00	5,00	0,01	V	V	V
A133	Detergent dosage (customer menu in g/l)	0,0	9,5	0,1	g/l	g/l	g/l
A134	Rinse aid dosage (costumer menu in g/l)	0	2	0,01	g/l	g/l	g/l
A137	Service phone number to text 18.1	-	-	-	string		
A150	B4 ASR lowering difference	0,00	5,00	0,01	V	V	V
A163	WiFi Terms and Conditions accepted at	01.01.2017	31.12.2099	-	date	DD.MM.YYYY	DD.MM.YYYY
A164	WiFi IP-address dishwasher	000.000.000.000	##########	1	IP		
A165	WiFi IP-address standard gateway	000.000.000.000	##########	1	IP		
A166	WiFi subnetmask	000.000.000.000	##########	1	IP		
A167	WiFi IP-adress DNS server	000.000.000.000	##########	1	IP		
A180	timer Monday	00:00	23:59	00:01	time	hh:mm	hh:mm
A181	timer tuseday	00:00	23:59	00:01	time	hh:mm	hh:mm
A182	timer Wednesday	00:00	23:59	00:01	time	hh:mm	hh:mm
A183	timer Thursday	00:00	23:59	00:01	time	hh:mm	hh:mm
A184	timer Friday	00:00	23:59	00:01	time	hh:mm	hh:mm
A185	timer Saturday	00:00	23:59	00:01	time	hh:mm	hh:mm
A186	timer Sunday	00:00	23:59	00:01	time	hh:mm	hh:mm
A257	Timer Monday OFF	00:00	23:59	00:01	time	hh:mm	hh:mm
A258	Timer Tuesday OFF	00:00	23:59	00:01	time	hh:mm	hh:mm
A259	Timer Wednesday OFF	00:00	23:59	00:01	time	hh:mm	hh:mm
A260	Timer Thursday OFF	00:00	23:59	00:01	time	hh:mm	hh:mm
A261	Timer Friday OFF	00:00	23:59	00:01	time	hh:mm	hh:mm
A262	Timer Saturday OFF	00:00	23:59	00:01	time	hh:mm	hh:mm

A263	Timer Sunday OFF	00:00	23:59	00:01	time	hh:mm	hh:mm
A266	Flow rate tank filling	0,1	20	0,1	l/min	l/min	l/min
A267	Flow rate tank filling moving average	0,1	20	0,1	l/min	l/min	l/min
A269	Sanitizer dosage (customer menue in %)	0	100	1	factor	%	%
A270	Final Rinse Temperature last program	0	150	1	degC	°C	°C
A283	Wash temperature last program	0	150	1	degC	°C	°C
S49	Automatic start	0	1	1	count		
S72	Language	1	29	1	count		
S74	Date format	1	3	1	count		
S75	Time format	1	2	1	count		
S76	Temperature unit	1	2	1	count		
S78	Automatic switching on by timer	0	2	1	count		
S84	SS calibration possible	0	1	1	count		
S134	WiFi activate / deactivate	0	1	1	count		
S178	Detergent present	0	1	1	count		
S179	Klarspüler vorhanden	0	1	1	count		
S180	Desinfektionsmittel vorhanden	0	1	1	count		

Send Event

Interval
The data delivery from ‘Send_Event’ is always generated by the machine when an event such as an error occurs or the status of the machine changes.

Send Event Data – Header


```
"command": "Send_Event",
"header": {
  "serial_number_machine": "99999999999999",
  "machine_type": "XXXXXXXXXXXX",
  "mac_address_hobart": "AB:AC:22:11:XX:A1",
  "sw_version_BAE": "02.067",
  "sw_version_STE": "2.8.273",
  "machine_time": "YYYY-MM-DDTHH:MM:SS",
  "protocol_version": "1.0.0",
  "serial_number_BAE": "999999999999",
  "serial_number_STE": "999999999999"
},
"content": {
  "state_machine": "2",
  "active_errors": [
    {
      "code": "59",
      "date": "2025-07-25T14:17:07"
    }
  ]
}
```

Send Event Data – content

The current machine status is displayed in the ‘content’ and ‘state_machine’ sections.

The ‘content’ and ‘active_errors’ sections show the error that has just occurred with the corresponding timestamp. The same information can also be found in the error_log. The corresponding error codes are also described there.

Send Heartbeat and State

Interval
Each machine sends its data to the cloud at a specific defined interval. The interval is defined in the ‘delay’ parameter in seconds.

Send Heartbeat and State – Header


```
  "command": "Send_Heartbeat_and_State",
"header": {
    "serial_number_machine": "99999999999999",
    "machine_type": "XXXXXXXXXXXX",
    "mac_address_hobart": "AB:AC:22:11:XX:A1",
    "sw_version_BAE": "02.067",
    "sw_version_STE": "2.8.273",
    "machine_time": "YYYY-MM-DDTHH:MM:SS",
    "protocol_version": "1.0.0",
    "serial_number_BAE": "999999999999",
    "serial_number_STE": "999999999999"
  },
  "content": {
    "delay": "1680",
    "state_machine": "2",
    "language": "1",
    "machine": "101",
    "program": "0",
    "state_BAE_to_STE": "ok",
    "parameter": {
      "C154": "0.1",
      "C155": "0.1",
      "C166": "0"
    },
    "active_errors": []
  }
},
```


Send Heartbeat and state – content

Parameter	
Delay	Time in seconds until the next Send_Heartbeat_and_State data is sent
State_machine	See “state_Machine” section in this document
Language	
Machine	Setting Parameter for machine configuration
program	

Send Temperatures Last Cycle

Interval
Some machines send the maximum temperatures during the last program after each wash program.

Send Temperatures Last Cycle – Header


```
"command": "Send_Temperatures_Last_Cycle",
"header": {
    "serial_number_machine": "[redacted]",
    "machine_type": "[redacted]",
    "mac_address_hobart": "[redacted]",
    "sw_version_BAE": "02.067",
    "sw_version_STE": "1.4.251",
    "machine_time": "2025-08-02T08:40:23",
    "protocol_version": "1.0.0",
    "serial_number_BAE": "[redacted]",
    "serial_number_STE": "[redacted]"
},
"content": {
    "state_machine": "6",
    "last_program": "0",
    "A270": "84",
    "A283": "64",
    "S076": "1"
}
```


Send Temperatures Last Cycle – content

Parameter list see in section - Send Machine Data – Parameter

Others

State_machine

#	Describtion
00	No control and machine display communication
01	Initial start-up is active
02	Machine is switched off
03	No control and machine display communication
04	UL test while machine is off
05	Filling program active, filling starts
06	Machine ready for operation
07	Wash program is active
08	Drain program active for a long time, machine is draining
09	Drain program briefly active, machine is being drained
10	Active Error

Last_Program

#	Describtion
00	No Program
01	Short Program
02	Standard Program
03	Intensive Program
04	ECO Program
05	Steam Program
06	Steam and Chemical Program
07	Cold Program
08	E-Save Program
09	Intensive Water Change Program
10	Continuous Program
11	Cutlery Program
12	Hygiene Program
13	Basic Clean Program
14	De Calc Program
15	Coffee Cup Program
16	Thermo Desinfection Program
17	Cold PreWash Program
18	Special Customer Program
19	Bottle Wash Program

General Information

The file in which all stored data is provided has the extension .JSON. The file is 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 100 kB and 200 kB.

Data is available from the date the EU Data Act comes into force. All data generated by the machine is sent to the SmartConnect365 cloud as soon as it is connected to SmartConnect. Currently, there are no plans to delete data from SmartConnect.

As a customer, you have the right to access the data period to which we, as the manufacturer of the devices and operator of SmartConnect, also have access.