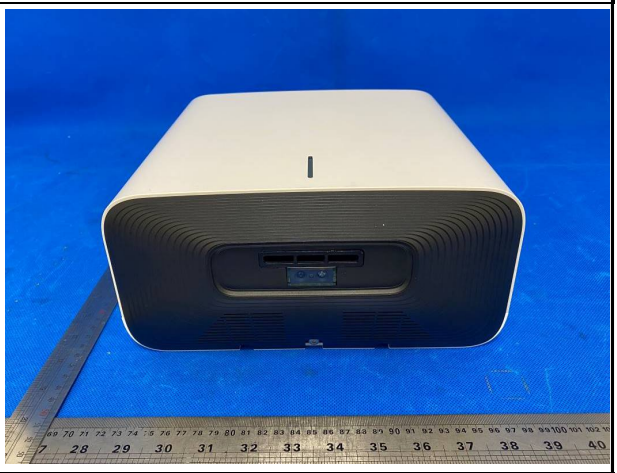
Prüfbericht-Nr.: *Test Report No.*:	CN2254G8 001	**Auftrags-Nr.:** *Order No.*:	168390390	Seite 1 von 6 *Page 1 of 6*
Kunden-Referenz-Nr.: *Client Reference No.*:	N/A	**Auftragsdatum:** *Order date*:	2022-09-13	
Auftraggeber: *Client*:	Stiebel Eltron GmbH & Co. KG Dr.-Stiebel- Str. 33 37603 Holzminden Germany			
Prüfgegenstand: *Test item*:	Hand Dryer			
Bezeichnung / Typ-Nr.: *Identification / Type No.*:	Ultronic Plus, Ultronic Premium			
Auftrags-Inhalt: *Order content*:	ERP Report			
Prüfgrundlage: *Test specification*:	Commission Regulation (EC) No 1275/2008 – implementing Directive 2005/32/EC (2009/125/EC, recast) of the European Parliament and of the Council with regard to ecodesign requirements for standby and off mode electric power consumption of electrical and electronic household and office equipment – Annex II – Stage I & Stage II			
Wareneingangsdatum: *Date of receipt*:	2022-09-13			
Prüfmuster-Nr.: *Test sample No.*:	A003339555			
Prüfzeitraum: *Testing period*:	2022-11-15 to 2022-11-18			
Ort der Prüfung: *Place of testing*:	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüflaboratorium: *Testing laboratory*:	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: *Test result**:	Pass			



geprüft von / *tested by*:

2022-12-14 Kyson Li / Project Engineer

Datum *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*

kontrolliert von / *reviewed by*:

2022-12-14 Lion Tao / Reviewer

Datum *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*

Sonstiges / *Other*:
The test results were obtained from the submitted test sample.

Zustand des Prüfgegenstandes bei Anlieferung: *Condition of the test item at delivery*: Prüfmuster vollständig und unbeschädigt *Test item complete and undamaged*

* Legende:	1 = sehr gut	2 = gut	3 = befriedigend	4 = ausreichend	5 = mangelhaft
	P(ass) = entspricht o.g. Prüfgrundlage(n)		F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
Legend:	*1 = very good*	*2 = good*	*3 = satisfactory*	*4 = sufficient*	*5 = poor*
	P(ass) = passed a.m. test specification(s)		*F(ail) = failed a.m. test specification(s)*	*N/A = not applicable*	*N/T = not tested*

1. Product Details

Unit Under Test (UUT)	Hand Dryer
Supply Connection	Terminals for connection of cables
Brand / Manufacture name	STIEBEL ELTRON
Model / Type	Ultronic Plus, Ultronic Premium
Rated voltage and frequency	220-240V~, 50/60Hz, 720W, Class I, IP23
Serial number	N/A (not provided)

Product Description:

The products is Hand Dryer for household use.

(EU)No.801/2013 was considered in this report.

Model Ultronic Plus is identical to Ultronic Premium, except model name and enclosure. Plastic enclosure is used for Ultronic Plus, metal enclosure is used for Ultronic Premium.

Tests were carried out on model Ultronic Plus and Ultronic Premium.

Copy of name plate:

2. Test Parameters

A. Test method: according to EN 50564:2011

B. Measuring Equipment

Equipment No.	Name of Equipment	Remarks

G1829708	Digital Power Meter	YOKOGAWA, model WT310
G1829706	AC power supply	EEC, model: 6500

Test Room

The test was carried out in a room that has an air speed close to the UUT of ≤0.5 m/s. The ambient temperature was maintained at 23°C ± 5°C throughout the test.

Supply Voltage

The input voltage is within the specified voltage ±1% and the specified frequency ±1%.

Total harmonic content of the supply voltage is not exceeding 2% (up to and including the 13th harmonic); harmonic content is defined as the root-mean-square (r.m.s.) summation of the individual components using the fundamental as 100%.

The ratio of peak value to r.m.s. value of the test voltage (i.e. crest factor) is between 1.34 and 1.49.

Power Measurement Accuracy

The maximum permitted uncertainty of measurement depends on the size of the load and the characteristics of the load. The key characteristic of the load used to determine the maximum permitted uncertainty is the Maximum Current Ratio (MCR), which is calculated as follows:

$$\text{Maximum Current Ratio (MCR)} = \frac{\text{Crest Factor (CF)}}{\text{Power Factor (PF)}}$$

Where,
CF is the measured peak current drawn by the product divided by the measured r.m.s. current drawn by the product;
PF is a characteristic of the power consumed by the product. It is the ratio of the measured real power to the measured apparent power.

a) Permitted uncertainty for values of MCR≤10
For measured power values of greater than or equal to 1,0W, the maximum permitted relative uncertainty introduced by the power measurement equipment, U_{mr}, shall be equal to or less than 2% of the measured power value at the 95% confidence level.
For measured power values of less than 1,0W, the maximum permitted absolute uncertainty introduced by the power measurement equipment, U_{ma}, shall be equal to or less than 0,02W at the 95% confidence level.

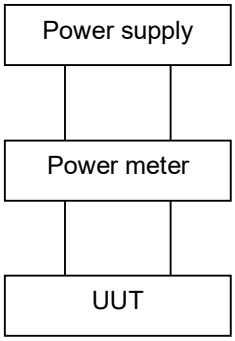
b) Permitted uncertainty for values of MCR>10
The value of U_{pc} shall be determined using the following equation:

$$U_{pc} = 0{,}02 \times [1+(0{,}08 \times \{MCR-10\})]$$

Where,
U_{pc} is the maximum permitted relative uncertainty for cases where the MCR is >10.

For measured power values of greater than or equal to 1,0W, the maximum permitted relative uncertainty introduced by the power measurement equipment shall be equal to or less than U_{pc} at the 95% confidence level.
For measured power values of less than 1,0W, the permitted absolute uncertainty shall be the greater of U_{ma} (0,02 W) or U_{pc} when expressed as an absolute uncertainty in W (U_{pc} x measured value) at the 95% confidence level.

Test Set-up



C. Measured Data

Date of test performed ..... :	See cover page
Ambient temperature..... :	25 °C
Test Voltage and frequency ..... :	AC 230V; 50 Hz
Total harmonic distortion of the electricity supply system ..... :	0.5%
Description of how the appliance mode was selected or programmed ..... :	Refer to Product Description.
Sequence of events to reach the mode where the equipment automatically changes modes ..... :	Refer to Product Description.

Stage I

Clause	Requirement	Result – Remark	Verdict
1	**Stage I – one year after the Regulation has come into force**		N/A
1(a)	**Power Consumption in any off-mode condition: <= 1W**	Off-mode: **N/A** W	N/A
1(b)	**Power Consumption in standby mode(s):** (i) In any condition providing only a reactivation function, or providing only a reactivation function and a mere indication of enabled reactivation function **<= 1W**; (ii) In any condition providing only information or status display, or providing only a combination of reactivation function and information or status display **<= 2W**	Standby-mode: (i) **N/A** W Measurement method: EN50564:2011 ☐ clause 5.3.2 ☐ clause 5.3.3 ☐ clause 5.3.4 (ii) **N/A** W Measurement method: EN50564:2011 ☐ clause 5.3.2 ☐ clause 5.3.3 ☐ clause 5.3.4	N/A
1(c)	**Availability of off mode and/or standby mode** Equipment shall, except where this is inappropriate for the intended use, provide off mode and/or standby	☐ Yes ☐ No ☐ Off mode is inappropriate for the	N/A

	mode, and/or another condition which does not exceed the applicable power consumption requirements for off mode and/or standby mode when the equipment is connected to the mains power source.	intended use of equipment ☐ Standby mode is inappropriate for the intended use of equipment	

Stage II

Clause	Requirement	Result – Remark	Verdict
2	**Stage II – four years after the Regulation has come into force**		P
2(a)	**Power Consumption in any off-mode condition: <= 0.5W**	Off-mode: **N/A** W	N/A
2(b)	**Power Consumption in standby mode(s):** (i) in any condition providing only a reactivation function, or providing only a reactivation function and a mere indication of enabled reactivation function **<= 0.5W**; (ii) In any condition providing only information or status display, or providing only a combination of reactivation function and information or status display **<= 1W**	Standby-mode: (i) Ultronic Plus **0.46** W Ultronic Premium **0.46** W Measurement method: EN50564:2011 ☒ clause 5.3.2 ☐ clause 5.3.3 ☐ clause 5.3.4 (ii) With status display **N/A** W Measurement method: EN50564:2011 ☒ clause 5.3.2 ☐ clause 5.3.3 ☐ clause 5.3.4	P
2(c)	**Availability of off mode and/or standby mode** Equipment shall, except where this is inappropriate for the intended use, provide off mode and/or standby mode, and/or another condition which does not exceed the applicable power consumption requirements for off mode and/or standby mode when the equipment is connected to the mains power source.	☒ Yes ☐ No ☐ Off/standby mode is inappropriate for the intended use of equipment	P
2(d)	**Power Management:** When equipment is not providing the main function, or when other energy-using product(s) are not dependent on its functions, equipment shall, unless inappropriate for the intended use, offer a power management function, or a similar function, that switches equipment after the shortest possible period of time appropriate for the intended use of the equipment, automatically into: — standby mode (**<= 0.5 or 1 W**), or — off mode (**<= 0.5W**), or — another condition (**<= 0.5 or 1 W**)	☐ Yes, __ W Time taken to automatically reach standby/off mode, or another condition: _ sec. ☐ No ☐ A power management function is inappropriate for the intended use	N/A

Photo of Unit Under Test (UUT)

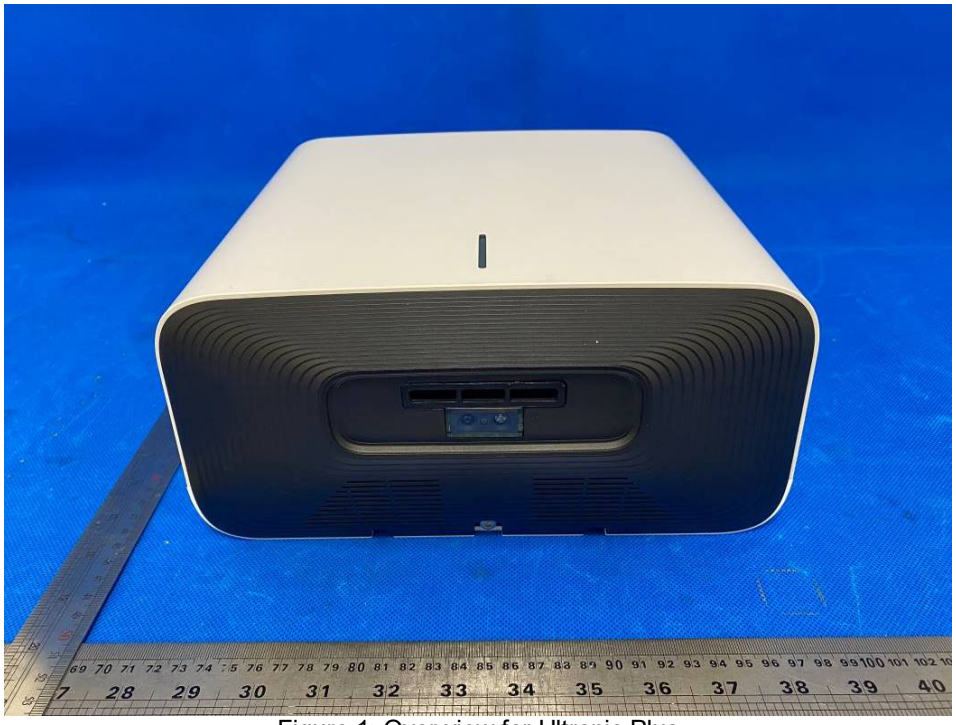


Figure 1: Over view for Ultronic Plus

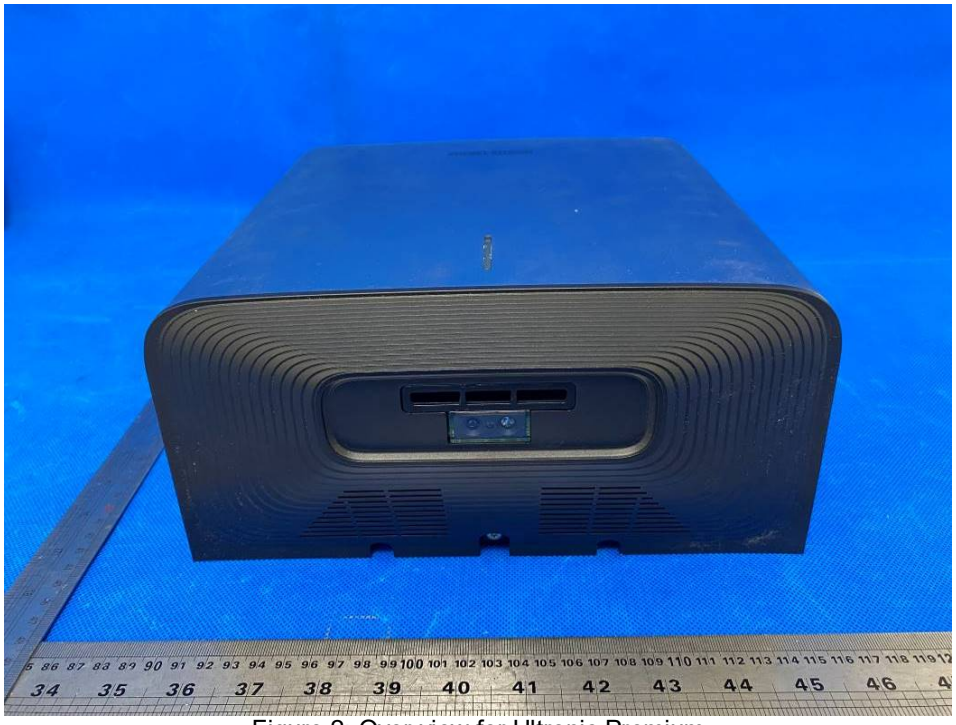


Figure 2: Over view for Ultronic Premium