



Prüfbericht / *Test Report*

1175-15-WK-16-PB027

Erzeugnis / <i>Product</i>	smarter Kettle
Auftraggeber / <i>Customer</i>	MarketWatch Energy Saving Trust 21 Dartmouth Street London SW1H 9BP
Modell / <i>Type</i>	iKettle 2.0 SMK20-UK
Technische Daten / <i>Technical data</i>	Power requirements AC; (220-240) V; (50 / 60) Hz; (2500-3000) W Weitere Daten siehe Prüfbericht S. 2 ff. / <i>Further data see test report pp. 2 et seqq.</i>
Es wurde ein Gerät auf Übereinstimmung mit den folgenden Vorschriften geprüft / <i>One samples of the product were tested of conformity with</i>	Verordnung (EG) Nr. 1275/2008 - Festlegung von Ökodesignanforderungen an den Stromverbrauch elektrischer und elektronischer Haushalts- und Bürogeräte im Bereitschafts- und im Aus- Zustand sowie im vernetzten Bereitschaftszustand; Anhang II Punkt 2b), und 2d) und 3a) / <i>Regulation (EC) No 1275/2008 with regard to ecodesign requirements for standby and off mode electric power consumption of electrical and electronic household and office equipment; Annex II point 2b), 2d) and 3a)</i>
Prüfört / <i>Test location</i>	SLG Prüf- und Zertifizierungs GmbH Burgstädter Straße 20 09232 Hartmannsdorf, Germany
Datum / <i>Date</i>	2016-02-26
Geprüft / <i>Tested</i>	Marcus Kirbach 
Bestätigt / <i>Approved</i>	Andreas Grundmann 

Measurement of Power Consumption in Accordance with Commission Regulations (EU) 801/2013 and (EC) 1275/2008

Test Sample			
Brand name as identified on product	smarter		
Model identification (type)	iKettle 2.0 SMK20-UK		
Version or serial number	4215SMK004164		
Product description	Kettle		
Regulatory reference	RL 1275/2008, RL 801/2013		
Name of applicant	Smarter Applications Limited		
Address of applicant	Southbridge House, Southbridge Place, Croydon, Surrey, CR0 4HA (Company Number 08608729)		
Name of test laboratory	SLG Prüf- und Zertifizierungs GmbH		
Address of test laboratory	Burgstädter Straße 20, 09232 Hartmannsdorf, Germany		
Test report number	1175-15-WK-16-PB027		
Sample indication	1175-15-W/064	Test date	2016-02-24
Prepared by	Marcus Kirbach	Approved by	Andreas Grundmann

Test Results			
Name of mode ¹⁾	Standby-Mode (non-networked; factory settings)	Test standard / measurement method	DIN EN 50564:2011; pt. 5.3.2 (sampling method with sampling interval 50 ms)
How is the mode selected or programmed	<ul style="list-style-type: none"> Connect sample to the main power source Boil water at maximum level three times Restore factory settings (Hold down Start stop button (A) for 10 seconds until you hear three beeps) + dis- and reconnect power plug Do NOT link sample and smartphone / tablet since water can be heated manually via Start stop button (A) (EC 1275/2008, Annex II, 3a); 'iKettle 2.0:35'-WiFi-Network cannot be deactivated, so the internal network port remains ON) Do not use sample (External indications in Standby-Mode: Light ring (G) OFF) 		
Sequence of events to reach the mode where the product automatically changes mode (power management function)	<ul style="list-style-type: none"> No power management function for no network linkage (EC 1275/2008, Annex II, 2d) and 3a)) available 		
Any notes regarding the operation of the product	<ul style="list-style-type: none"> General: Networked equipment; Display NO; Light sensors NO; Battery compartment NO Characterization of power fluctuations: Not cyclic Evaluation time: 20 minutes at end of measurement routine Stability criterion: Stable power consumption according DIN EN 50564:2011; pt. 5.3.2 (mode not cyclic) Same power level with or without network linkage 		
Result with measurement uncertainty ($k=2$)	(0.87 ± 0.03) W		
MCR ²⁾ 23.4	Admissible measurement uncertainty ²⁾ ($k=2$)	0.04 W	
Power limit applied	EC 1275/2008, Annex II, 2b)	0.50 W	
Verdict	FAIL		
If applicable, technical justification of inappropriateness for intended use	-		

1) Definition according Commission Regulations EC 1275/2008 and EC 801/2013

2) Calculation according DIN EN 50564:2011; pt. 4.4.1 (MCR = Maximum Current Ratio)

Test Conditions ³⁾	
Ambient temperature	(23 ± 2) °C
Test voltage	(230.0 ± 0.2) V
Test frequency	(50.00 ± 0.01) Hz
Total harmonic voltage distortion of supply system	≤ 0,14 %
Information and documentation on the instrumentation, set-up and circuits used for electrical testing	In accordance with DIN EN 50564:2011; pt. 4.3; 4.4; 5.3.1

3) Requirements according DIN EN 50564:2011; pt. 4.2; pt 4.3: (23 ± 5) °C; (230.0 ± 2.3) V; (50.00 ± 0.5) Hz; ≤ 2 %

Standards Used and Traceability					
Object	Type	Inv. no.	Calibrated by	Calibration certificate	Due date
Precision power meter	LMG 95	1841	D-K-18095-01-00	DAkkS: 200613/2015-09	2016-09-22