



## Environmental Product Declaration

<b>Product</b>	Type of equipment / Product No.	S55561-F246	WSM506-FE Ultrasonic heat meter
		S55561-F247	WSM515-FE Ultrasonic heat meter
		S55561-F248	WSM525-FE Ultrasonic heat meter
		S55561-F281	WSN506-FE Heating/cooling energy meter
		S55561-F282	WSN515-FE Heating/cooling energy meter
		S55561-F283	WSN525-FE Heating/cooling energy meter
Product line, product range WSx5			
<b>Process control</b>	Landis+Gyr GmbH HEAT Humboldtstrasse 64 90459, Germany		
	Management System	since	by
	ISO 9001 (Quality)		DQS
	ISO 14001 (Environment)		DQS
	OHSAS 18001 (OH&S)		DQS
<b>Product use</b>	Typical energy consumption	1kWh/a	
	Maintenance	Not necessary	
<b>Risk of fire</b>	Fire protection according to	EN60730	
	Fire load	variant *) see below	
<b>Packaging</b>	20-PAP Corrugated fibreboard	Folding box	65g
	22-PAP Paper	Instruction	124g
	1-PET Polyethylene terephthalate	Packing for sealing set	2g
	Notes on disposal	One-way, recyclable	
<b>Materials</b>	Total weight of device	variant *) see below	
	The total weight of a device may deviate from the total of the weights of all individual components due to rounding.		
<b>Plastics</b>	PC; GF 10%	Lower housing	28g
	ABS	Cover	22g
	TPE-S	Cover seal	3g
	PC	Battery cover	12g
	PPS	Sensor adapter	6g
	EPDM	O-Rings	2g
	TPE-S	Rubber mat	6g
	PBT; GF 30%	Transducer cover	25g
	PA; GF 40%	Measuring tube 110 QN0,6	variant
	PA; GF 40%	Measuring tube 110 QN1,5	variant
	PA; GF 40%	Measuring tube 130 QN2,5	variant
	Aramidfaser + NBR	Fibre seal 110	variant
	Aramidfaser + NBR	Fibre seal 130	variant
	<b>Metals</b>	Steel >5% alloyed; blank	Steel components 110
Steel >5% alloyed; blank		Steel components 130	variant
Cu		Copper Components	1g
Steel		Seal	3g

**Building Parts**

Others	Lithium-Thionylchlorid	1st battery / accumulator	54g
	CU/PVC	Cable / wire (control line)	54g
	CU/PVC	Temperature sensor	65g
	Piezoceramics (PZT)	Ultrasonic transducer	1g
PCBAs (Printed Circuit Board assembled)	FR4; halogenated; solder SnAgCu	PCB-A	28g
	FR4; halogenated; solder SnAgCu	PCB-A wM-Bus	8g
Special components (part of the assembled PCB)	Passive components		157pcs
	Active components		8pcs
	ICS		6pcs

Weights in brackets are already included in components declared under materials. (part of the assembled PCB)

**\*Variant parts list**

	S55561-F246	S55561-F247	S55561-F248	S55561-F281	S55561-F282	S55561-F283					
Total weight of device [g]	375	375	396	375	375	396					
Measuring tube 110 QN0,6	54			54							
Measuring tube 110 QN1,5		53			53						
Measuring tube 130 QN2,5			73			73					
Fibre seal 110	2	2		2	2						
Fibre seal 130			2			2					
Steel components 110	6	6		6	6						
Steel components 130			6			6					
Fire load [MJ]	7	7	8	7	7	8					

**Disposal**



The device is classified as waste electronic equipment in terms of the European Directive 2012/19/EU (WEEE) and must not be disposed of as unsorted municipal waste. Regarding disposal, use the systems setup for collecting electronic waste. Observe all local and applicable laws.

**Comments**

**EU-directive 2011/65/EU (RoHS)**

The device does not contain substances in concentrations and applications banned under the EU RoHS Directive, including the 4 phthalates added to Annex II in 2015.

**Regulation (EC) No. 1907/2006 (REACH)**

The device contains the following substances of the candidate list according to Article 59 (1, 10) of the regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) in concentrations above 0.1 % w/w. Contained REACH candidate substances, including those which will become known at a later date, are listed on the delivery note.

Lead titanium zirconium oxide, CAS-Nr.12626-81-2

(Status according to the creation date of this document.)

The device is low-halogen with exception of:

Cable parts (ETFE core insulation); Damping body of the ultrasonic transducer (FKM); PCB (TBBA); Battery

**Legal Disclaimer: This declaration is for information purpose only.**

This Environmental Product Declaration does not constitute a guarantee of the composition of a product, neither does it guarantee that the product will retain a particular composition for a particular period.

Landis+Gyr GmbH therefore does not assume liability for any error or for any consequences which may arise from the use of this information to the maximum extent under the law.

Please contact your local Siemens branch office to get further information on environmental aspects and disposal.