



Environmental Product Declaration

Product	Type of equipment / Product No.	S55561-F269	WSM805-FBBAD3A
		S55561-F270	WSM821-FBBAD3A
		S55561-F271	WSM836-FBBAD3A
		S55561-F272	WSM805-FHBAD3A
		S55561-F273	WSM821-FHBAD3A
		S55561-F274	WSM836-FHBAD3A
		S55561-F275	WSN805-FBBBE3A
		S55561-F276	WSN821-FBBBE3A
		S55561-F277	WSN836-FBBBE3A
Product line, product range WSx8			
Process control	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
Product use	Typical energy consumption	1kWh/a	
		Mbus module 42V / 1.5mA -> 63mW / Meter 1Ah@3,6V/Year -> 410µW	
	Maintenance	Not necessary	
Risk of fire	Fire protection according to	EN 60730	
	Fire load	variant *) see below	
Packaging	20-PAP Corrugated fiber board	Cardboard	130g
	22-PAP paper	Operating Instructions, SBT 18-lang.	86g
	22-PAP paper	Installation Instructions, SBT 18-lang.	121g
	PE	Packaging for Gasket Set	2g
	20-PAP Corrugated fiber board	Filling paper	30g
	Notes on disposal	One-way, recyclable	
Materials	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.		
Plastics	Aramidfaser + NBR	gasket flow part	2g
	PA; GF 40%	plasticpart transducer	8g
	FKM	damping body transducer	1g
	PBT; GF 15%	adapter plate	8g
	PBT; GF 20%	Transducer cover small	20g
	PC; GF 10%	Housing lower part	110g
	PC; GF 10%	Housing Cover	40g
	TPE-S	Gasket Cover, cable, battery enclosure	14g
	PC; GF 10%	Cover Battery	14g
	PC; GF 10%	Cover PCB	18g
	PC; GF 10%	Cover Module	8g
	PPS	Adapter Sensor PS	variant
	PVC; halogenated	Label sensors / marking ring sensors	2g

Building Parts

Metals	CuZnPb	Armature	variant
	Steel stainless	Transducer cup + Cover	6g
	Steel stainless	reflector	6g
	Steel >5% alloyed	magnetic shield	4g
	Steel stainless	screws, plates	7g
	Steel >5% alloyed	screws, plates	3g
	Steel <=5% alloyed	Seal + Wire	2g
Others	Cu / Al / Polyester fleece / Silicone	Cable / Wire	38g
	Cu / TPE-U	temperature sensor DS 27.5 mm 1.5 m	variant
	Piezoceramic (PZT)	transducer	1g
	Lithium-Thionylchloride	Batteries	variant
	Cu / TPE-U	temperature sensor PS 45 mm 1.5 m	variant
PCBAs (Printed Circuit Board assembled)	FR4; halogenated; solder SnAgCu	main PCB	44g
	FR4; halogenated; solder SnAgCu	M-Bus	12g
Special components (part of the assembled PCB)	Passive components		variant
	Active components		variant
	ICs		variant

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

***Variant parts list**

	S55561-F269	S55561-F270	S55561-F271	S55561-F272	S55561-F273	S55561-F274	S55561-F275	S55561-F276	S55561-F277			
Total weight of device [g]	830	786	876	818	774	864	847	803	893			
Adapter Sensor PS				4	4	4						
Armature	355	311	401	355	311	401	355	311	401			
temperature sensor DS 27.5 mm	90	90	90				90	90	90			
Batteries	17	17	17	17	17	17	34	34	34			
temperature sensor PS 45 mm 1.				74	74	74						
Fire load [MJ]	10	10	10	9	9	9	10	10	10			
Special components (part of the)												
Passive components [pcs]	157	157	157	157	157	157						
Active components	8	8	8	8	8	8						
ICs	6	6	6	6	6	6						

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; Lead, CAS-Nr.7439-92-1

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

The device is low-halogen with exception of:

Cableparts (ETFE isolation); damping body of transducers (FKM); PCB (TBBA)

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.