SIEMENS

Building Parts

EPD - Type II
Based on ISO 14021



Environmental Product Declaration

Product

Type of equipment / Product No.	S55561-F115	UH50-A45-00
	S55561-F116	UH50-A50-00
	S55561-F117	UH50-A61-00
	S55561-F118	UH50-A65-00
	S55561-F119	UH50-A70-00
	S55561-F120	UH50-A74-00
	S55561-F121	UH50-A83-00

Product line, product range UH50 - heat meter - Qp3.5 - Qp60

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	variant
PE	Foil	variant
PE	Air Foil	variant
22-PAP Paper	Filling paper	variant
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; halogen-free	gasket flow part	variant
	EPDM; halogen-free	Molded part / cable grommet / seal	40g
	FKM; halogen-free	damping body	4g
	PBT; GF 15%; halogen-free	adapter plate	8g
	PBT; GF 20%; halogen-free	Transducer cover big	100g
	PC; GF 10%; halogen-free	Housing lower part	125g
	PC; halogen-free	Housing Cover	27g
	PP; halogen-free	battery blocking flap	1g
	Q Silicone rubber; halogen-free	Transducer sealing material	8g
	PP; halogen-free	Battery Holder	6g
	PVC; halogenated	Label sensors / marking ring sensors	2g

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	PC; halogen-free	PCB cover	12g
Metals	CuZnPb	Armature	variant
	Cu alloy	Reflector plate	620g
	Cu alloy	Transducer Cup	57g
	Steel; zinc plated	magnetic shield	11g
	Steel; galvanized	screws, plates	27g
	steel CrNi	screws, plates	variant
	Al alloy; lacquered	dial plate	10g
Others	Cu / LSR / ETFE	Cable / Wire	50g
	Piezoceramic (PZT)	transducer	1g
	Piezoceramic (PZT)	temperature sensor DS 38 mm, 1.5 m cable (0D)	variant
	Cu / LSR / ETFE / Stahl hochlegiert	temperature sensor PL100 mm, 5 m cable (0N)	variant
	Cu / LSR / ETFE / Stahl hochlegiert	temperature sensor PL150 mm, 5 m cable (0Q)	variant
	22-PAP paper	Operating Instructions	107g
	22-PAP paper	Installation Instructions	140g
PCBAs (Printed Circuit Board assembled)	FR4; halogenated; solder SnAgCu	main PCB	40g

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**

[g]	S55561-F115	S55561-F116	S55561-F117	S55561-F118	S55561-F119	S55561-F120	S55561-F121					
Total weight of device	3’262	3’262	6’816	7’561	10’662	12’093	20’044					
gasket flow part	3	3	30	39	50	56	62					
Armature	1’678	1’678	4’965	5’701	8’767	10’181	18’126					
screws, plates	96	96	96	96	120	120	120					
temperature sensor DS 38 mm, 1	89	89										
temperature sensor PL100 mm, 5			329	329	329							
temperature sensor PL150 mm, 5						340	340					
Fire load [MJ]	12	12	18	19	19	19	19					
Packaging												
Cardboard [g]	252	252	1’012	1’012	2’243	2’243	2’243					
Foil			20	20	35	35	35					
Air Foil	4	4										
Filling paper	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.