



Environmental Product Declaration

Product

Type of equipment / Product No.	WSM506-FE	Ultrasonic heat energy meter
	WSM515-FE	Ultrasonic heat energy meter
	WSM525-FE	Ultrasonic heat energy meter
	WSN506-FE	Ultrasonic heat/cooling energy meter
	WSN515-FE	Ultrasonic heat/cooling energy meter
	WSN525-FE	Ultrasonic heat/cooling energy meter
Product line, Product range	Metering	

Process control

Siemens Schweiz AG Smart Infrastructure Theilerstrasse 1a CH-6300 Zug		
Management System	since	by
ISO 9001 (Quality)	22-July-1986	SQS
ISO 14001 (Environment)	20-October-1998	SQS
OHSAS 18001 (OH&S)	01-January-2011	SQS

Product use

Typical energy consumption	0.006kWh/a
Maintenance	Change of batteries About after 96'360 h

Risk of fire

Fire protection according to	EN 60730
Fire load	variant *) see below

Packaging

20-PAP Corrugated fibreboard	Folded box	158g
2-HDPE High density polyethylene	Bag 1	2g
2-HDPE High density polyethylene	Bag 2	5g
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

Fibre; low-halogen	gasket flow part	2g
PA; GF 40%; low-halogen	Flow part 110 mm Qp0.6	variant
PA; GF 40%; low-halogen	Flow part 110 mm Qp1.5	variant
PA; GF 40%; low-halogen	Flow part 130 mm Qp2.5	variant
PC-GF, TPE; GF 10%; low-halogen	Housing lower part	36g
PC-GF10, PC, TPE; GF 10%; low-halogen	Housing Cover	32g

Metals	PC; GF 10%; low-halogen	Battery Cover	15g
	PPS; low-halogen	Adapter sensors	6g
	PBT; GF 30%; low-halogen	Transducer Cover	24g
	TPE-S; low-halogen	Transducer Cover Gasket	6g
	TPE-S; low-halogen	Gasket Cable inlet	1g
Others	TPE-S; low-halogen	Sensorholder Gasket	1g
	Steel <=5% alloyed	Other components (screws etc.)	8g
	Cu	Copper components	1g
	Steel	Seal	2g
	Cu / PVC	Control cable	28g
PCBAs (Printed Circuit Board assembled)	Cu / TPE-U / Stainless steel	Temperature sensor	48g
	Piezoceramic (PZT)	Transducer	1g
	Lithium (metal)	1st battery / accumulator	18g
	Lithium (metal)	2nd battery / accumulator	18g
	Lithium (metal)	3rd battery / accumulator	18g
Special components (part of the assembled PCB)	22-PAP Paper	Operating instructions	124g
	22-PAP Paper	wM-Bus instructions	5g
	FR4; halogenated; solder SnAgCu	Main PCB	28g
	FR4; halogenated; solder SnAgCu	wireless M-Bus	10g
	Passive components	155pcs	
	Active components	6pcs	
	IC's	9pcs	

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

*Variant parts list

Total weight of device
Flow part 110 mm Qp0.6
Flow part 110 mm Qp1.5
Flow part 130 mm Qp2.5

[g]	WSM506-FE	WSM515-FE	WSM525-FE	WSN506-FE	WSN515-FE	WSN525-FE
	489	488	510	489	488	510
	57			57		
		56			56	
			78			78
[MJ]	7	7	8	7	7	8

Disposal



The symbol or any other national label indicates the product, its packaging and where applicable, any removed batteries may not be disposed as part of normal waste. Delete any personal data and dispose of the item via separate collection and recycling facilities in accordance with local and national regulations. For additional details, refer to www.siemens.com/bt/disposal.

For country-specific requirements regarding further disposal information:
<http://www.siemens.com/download?A6V13734633>

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 meeting the criteria laid down in Article 57 of Regulation (EC) 1907/2006 and identified in accordance with Article 59(1) of EU REACH 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.)

**Smart Infrastructure
Building Products**

The device is low-halogen with exception of:
PCB (TBBA); PVC cable; Batteries

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.

Siemens Schweiz AG 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.

A5W00042723-AD-004

13.03.2024