



## Environmental Product Declaration

### Product

Type of equipment / Product No.	WSM606-BE	ultrasonic heat meter
	WSM615-BE	ultrasonic heat meter
	WSM625-BE	ultrasonic heat meter
	WSN606-BE	ultrasonic combined heat cooling meter
	WSN615-BE	ultrasonic combined heat cooling meter
	WSN625-BE	ultrasonic combined heat cooling meter

Product line, product range WSx6

### Process control

Siemens Switzerland Ltd  
Building Technologies Division  
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Management System	since	by
ISO 9001 (Quality)	22.07.1986	SQS
ISO 14001 (Environment)	20.10.1998	SQS
OHSAS 18001 (OH&S)	01.01.2011	SQS

### Product use

Typical energy consumption	1kWh/a Mbus module 42V / 1.5mA -> 63mW / Meter 1Ah@3,6V/Year -> 110.000
Maintenance	Not necessary

### Risk of fire

Fire protection according to	EN 60730
Fire load	7MJ

### Packaging

20-PAP Corrugated fiber board	Cardboard	158g
22-PAP paper	User's guide, SBT 18-language	124g
1-PET	Packaging for seal set	2g
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

Aramid fiber, bonded with NBR; halogen-free	Sealing disk	2g
EPDM; halogen-free	Seal VMT, O-ring	4g
FKM (Calorific value, unknown); halogen-free	Damping body	1g
PBT; GF 20%; halogen-free	Transducer cover small	18g
PC; GF 10%; halogen-free	Lower part	28g
ABS; halogen-free	Cover	22g
TPE-S; halogen-free	Cover seal	3g
PC; halogen-free	Cover for the battery compartment	12g
PBT; GF 20%; halogen-free	Adapter plate RW	18g
PPS; halogen-free	Sensor adapter	4g

#### Metals

Cu alloy	Fitting + Sealing cap	variant
Cu alloy	SK clamps	38g
CuSn	Baffles	variant

	Steel stainless	Reflector	6g
	Steel >5% alloyed	Magnetic catch	3g
	Steel stainless	Screws, sheet metal	6g
	Steel	Seal	3g
Others	Cu / PVC	Cable / wire (control wiring)	40g
	Cu / TPE-U	Temperature sensor	65g
	Piezoceramics (PZT)	Ultrasonic transducer	1g
	CU / PVC	Cable M-bus	34g
	Lithium thionyl chloride	Batteries	36g
PCBAs (Printed Circuit Board assembled)	FR4; halogenated; solder SnAgCu	Main circuit board	28g
	FR4; halogenated; solder SnAgCu	M-bus circuit board	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**

	WSM606-BE	WSM615-BE	WSM625-BE	WSN606-BE	WSN615-BE	WSN625-BE						
Total weight of device [g]	735	690	781	735	690	781						
Fitting + Sealing cap	358	312	400	358	312	400						
Baffles		1	3		1	3						

**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.

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

To the best of our knowledge and according to the information of our suppliers the above mentioned device and its packaging contain no 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.

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

The device is halogen-free with exception of:

Cable parts (ETFE wire insulation); Damping body with ultrasonic transducer (FKM); Printed circuit board (TBBA); 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 Switzerland Ltd 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.