# **SIEMENS**



# Environmental Product Declaration

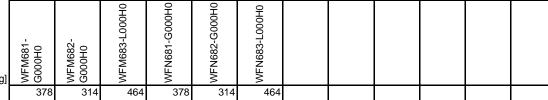
Product	Type of equipment / Product No.	WFM681-G000H0 WFM682-G000H0 WFM683-L000H0 WFN681-G000H0 WFN682-G000H0 WFN683-L000H0		Qheat5 wireless set heatmeter (0,1) Qheat5 wireless set heatmeter (1,1) Qheat5 wireless set heatmeter (2,1) Qheat5 wireless set heat/cold met Qheat5 wireless set heat/cold met Qheat5 wireless set heat/cold met	5m³/h 110mm 5m³/h 130mm er (0,6m³/h 1 er (1,5m³/h 1		
	Product line, product ra	nge Qheat5 wireless set	t				
Process control	QUNDIS GmbH Sonnentor 2 99098 Erfurt						
	Management System ISO 9001 (Quality) ISO 14001 (Environment) EMAS (Environment)		since 13.03.1995 18.02.2003 26.10.2015	by GUTcert GmbH GUTcert GmbH GUTcert GmbH			
Product use	Typical energy consumption		8kWh/a during 6 years lifetime (770mWh/a)				
	Maintenance		•	Not necessary, no battery change intended LCD/LED Display, battery blink			
Risk of fire	Fire protection according	g to	EN609050; IEC 6MJ	EN609050; IEC 62368-1, IEC 60065, IEC 60950-1+A1+A2 6MJ			
Packaging	22-PAP paper 20-PAP Corrugated fibe Notes on disposal	er board	packaging Qhea	installation instruction 33g packaging Qheat5 (Q) 101g One-way, recyclable			
Materials	Total weight of device				610 760g		
	The total weight of a device may deviate from the total of the weights of all individual components due to rounding.  Noryl; halogen-free plate 17g						
Plastics	Noryl; halogen-free  ABS+PC; halogen-free  ABS+PC; halogen-free		plate housing compac housing cover	housing compact			
	HTV-Siliconelastomer; halogen-free		button		4g		
	ABS+PC; halogen-free		cap Q		4g		
	PP; halogen-free		impeller		3g		
	ABS+PC; halogen-free		LCD-frame		4g		
	ABS+PC; halogen-free		plombe		2g		
	PET; halogen-free		installation protection cover-module		4g		
	ABS+PC; halogen-free ABS+PC; halogen-free		housing-module		9g 16g		
	Abo+ro; nalogen-free		nousing-module	nousing-module			



## EPD - Type II Based on ISO 14021

Metals	CuZn; no coating	haousing xx ITF xx WMZ5	variant
	CuZn; no coating	socket tepmperatur sensor	5g
	CuZn; no coating	TF-Screw-half-shell	20g
	CuZn; no coating	plate 6,1x8,8x0,5	3g
	Stahl >5% legiert; galvanized	screw	1g
Others	Li-MnO2 (CR AA)	1st battery / accumulator	22g
	Li-MnO2 (2/3CR AA)	1st battery / accumulator	16g
	glas	LCD Qheat5	8g
	Cu + PVC	temperature sensor cold 5x45x800	20g
	Cu + PVC	temperature sensor hot 5x45x800	35g
PCBAs (Printed Circuit Board	FR4; TBBA; solder SnAgCu	PCB Qheat5	33g
assembled)	FR4; TBBA; solder SnAgCu	PCB Qmodule5.5 heat	7g

\*Variant parts list



haousing xx ITF xx WMZ5

#### 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)

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.

1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME), CAS-Nr.CAS-Nr. 110-71-4

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

The device is halogen-free with exception of:

 $\label{eq:pcb} \mbox{PCB (TBBA)}; \ \mbox{cable tempertur sensors}; \mbox{cable for data transmission} \ ; \ \mbox{battery} \ / \mbox{ accumulator}$ 

#### **Environmental benefits**

The heat meter is used for measuring heat energy. The combined measurement of heat and cold energy is possible. The main areas of application are in central heating systems where the heating energy is outputted individually to different consumers.

O modules are senarate add-on modules and impulse adapters with which you can extend the performance canabilities of our measuring devices. They

### 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.

QUNDIS 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.

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