



## *Environmental Product Declaration*

<b>Product</b>	Device type	<b>QFM31.. / QFM41..</b>	
	Designation	<b>Duct sensors for humidity and temperature</b>	
	Product range	<b>Symaro™</b>	
<b>Process control</b>	Siemens Switzerland Ltd Industry Sector Building Technologies Division Gubelstrasse 22; CH-6301 Zug		
	Management system certified	since	by
	ISO 14001 (environment)	<b>20.10.1998</b>	<b>SQS</b>
	ISO 9001 (quality)	<b>22.07.1986</b>	<b>SQS</b>
<b>Environmentally compatible product design</b>	Product responsibility of Siemens covers the entire product life cycle. Siemens already assesses, avoids and minimizes the environmental impact of its products with respect to production, procurement, sales, use, services and disposal during the product and process planning phases by complying Siemens Standard SN 36350 "Environmentally compatible products".		
<b>Product use</b>	Typical energy consumption per year	<b>&lt; 8 kWh/a</b>	
	Maintenance	<b>None</b>	
<b>Environmental risk (fire)</b>	Fire protection as per	<b>EN 60 730</b>	
	Fire load	<b>&lt; 4 MJ</b>	
<b>Packaging</b>	20-PAP corrugated fiber board	<b>QFM31..: folded box</b>	<b>53 g</b>
		<b>QFM41..: die cut box</b>	<b>64 g</b>
	4-LDPE Polyethylene	<b>Bag for accessories kit</b>	<b>&lt; 4 g</b>
	Notes on disposal	<b>One way recyclable</b>	
<b>RoHS</b>	The devices are free from substances banned by the Directive 2002/95/EC (RoHS): Pb, Hg, Cr6+, PBB, PBDE: < 0.1 % by weight in homogeneous materials Cd: < 0.01 % by weight in homogeneous materials The devices are halogen free except the PCBs		

Materials		Total weight of devices	Chart *
Plastics	PC	Housing and immersion rod	<b>69 g</b>
	PBT/PE	Filter and filter cap	<b>4 g</b>
	Epoxy resin	Sealing compound	<b>1 g</b>
	Q silicone rubber	Sealing gasket (housing)	<b>1 g</b>
	PA6 GF30	QFM41.. only: hexagon nut	<b>1 g</b>
Metals	Steel zinc-plated	Screws (housing)	<b>4 g</b>
Circuit boards with components	FR4 TBBA solder SnAgCu	Printed circuit board base	<b>Chart *</b>
		Printed circuit board measuring tip	<b>2 g</b>
Terminal strips	PA66 Cu nickel-plated		<b>Chart *</b>
Connectors	PUR/CuSn/CuZn	Circular connector (without QFM3110)	<b>9 g</b>
	PUR/CuZn	Circular connector	<b>6 g</b>
	PUR/CuZn	QFM41.. only: circular connector	<b>18 g</b>
	PA6 Cu nickel-plated	QFM41.. only: plug circular connector	<b>24 g</b>

### \* Variant part list

	QFM3100	QFM3101	QFM3110	QFM3160 QFM3171	QFM4101	QFM4160 QFM4171	QFM3160D QFM3171D
Total weight	143 g	139 g	134 g	144 g	170 g	173 g	157 g
PCB	19 g	16 g	16 g	19 g	16 g	19 g	19 g
Terminal strips	7 g	6 g	10 g	9 g	9 g	9 g	9 g
LCD module							14 g

The total weight of a device may deviate from the total of the weights of all its individual components due to rounding.

### Disposal

Do not dispose of the devices as part of unsorted municipal waste.

This particularly applies to electronic circuit boards.

Additionally, the law may mandate special treatment for specific components or special treatment may be ecologically sensible.

**Observe all local and applicable laws.**

### Notes

Materials: All sensors are delivered with the following accessories kits:  
 QFM31.. only: Cable entry gland (8 g, PA6 / PA6 GF30)  
 QFM31.. only: Strain relief with screws (3 g, steel stainless)  
 Adaptor (5g, PA66 GF30) & hexagon nut (1g, PA6) in bag (PE)

#### Legal disclaimer: This declaration is for information purposes 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.

If you require further information on environmental aspects and disposal, contact your local Siemens branch office.