



## *Environmental Product Declaration*

<b>Product</b>	Device type	<b>QAM2161.040 / QAM2171.040 QAE2164... / QAE2174... QAC31..</b>	
	Designation	<b>Duct Temperature Sensors active Immersion Temperature Sensors active Outside Temperature Sensors active</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; 9 kWh/a</b>	
	Maintenance	<b>None</b>	
<b>Environmental risk (fire)</b>	Fire protection as per	<b>EN 60730 and UL 8730</b>	
	Fire load	<b>2 MJ to 3 MJ</b>	
<b>Packaging</b>	Box: 20-PAP Corrugated fibreboard	<b>QAM..., QAE... QAC..</b>	<b>42 g 27 g</b>
	Notes on disposal	<b>One way, recyclable, notes on recyclability</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 device	chart *
Plastics	PC GF10	Housing: base and cover	chart *
	PA66 GF25	<u>QAM only:</u> 2 half shells (bracket)	6 g
		<u>QAC only:</u> Sealing plug	2 g
	PA66 GF35	<u>QAM only:</u> Mounting tube, flange	32 g
	PA6	Screwing kit	8 g
	Polyolefin	<u>QAM only:</u> Shrinkable tubing (probe)	3 g
Metals	Q Silicone rubber	<u>QAE only:</u> Casting compound (sensor pocket)	chart *
	Copper	<u>QAM only:</u> Flexible sensor probe	18 g
	Steel, stainless	<u>QAE only:</u> Sensor pocket and nipple	chart *
		<u>QAC only:</u> Sensor body	6 g
	CuZn37, nickel plated	<u>QAE only:</u> Protection pocket	chart *
	Strip steel	<u>QAE only:</u> Clamp	6 g
	Steel	<u>QAC only:</u> 4 screws (cover)	4 g
Others	PA66 / Cu nickel plated	Terminal strips	chart *
PCB assembled	FR4 TBBA, solder SnAgCu		chart *

### \* Variant parts list

	QAE2164.010	QAE2164.015	QAE2174.010	QAE2174.015
Total weight	203 g	220 g	199 g	215 g
Housing: base and cover	50 g	50 g	50 g	50 g
Casting compound (sensor pocket)	3 g	4 g	3 g	4 g
Sensor pocket and nipple	18 g	24 g	18 g	24 g
Protection pocket	83 g	94 g	83 g	94 g
2 Terminal strips	6 g	6 g	5 g	5 g
PCB assembled	19 g	19 g	16 g	16 g

	QAM2161.040	QAM2171.040	QAC3161	QAC3171
Total weight	151 g	145 g	109 g	105 g
Housing: base and cover	50 g	50 g	54 g	54 g
Terminal strips	6 g	2 g	6 g	5 g
PCB assembled	19 g	16 g	19 g	16 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.**

**Materials:** All sensors are delivered with the following accessories kits:  
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.