Product Environmental Profile

Level Track Radar Monitor

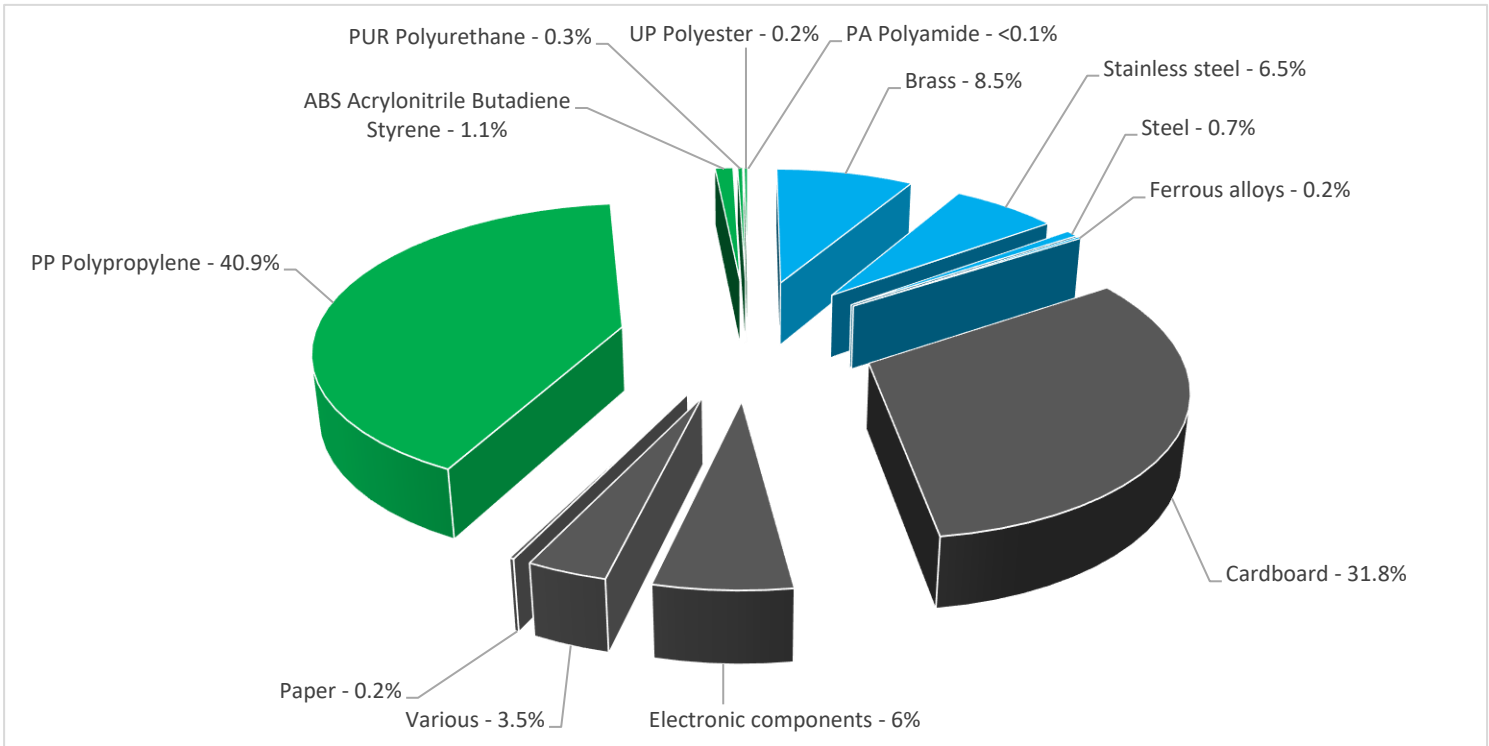
Level Track Monitors

General information

Representative product	Level Track Radar Monitor - ATRM1D144020GH
Description of the product	The ATRM is a battery-powered monitor that measures and transmits the level, device temperature, and other status information to WebView for display to the user.
Description of the range	Level Track Monitors The environmental impacts of this referenced product are representative of the impacts of the other products of the range which are developed with a similar technology.
Functional unit	The ATRM Monitor uses a factory defined schedule or optional field Bluetooth defined schedule to make level measurements. Based on the Monitor's schedule and any alarm conditions, the Monitor will transmit data to the Asset Tracker Device during 10 years lifetime with a maximum power consumption of 2.1 W at 100% use rate.

Constituent materials

Reference product mass	1021.5 g	including the product, its packaging and additional elements and accessories



	Plastics	42,5%
	Metals	15,9%
	Others	41,5%

Substance assessment

Products of this range are designed in conformity with the requirements of the RoHS directive (European Directive 2011/65/EU of 8 June 2011) and do not contain, or only contain in the authorised proportions, lead, mercury, cadmium, hexavalent chromium or flame retardants (polybrominated biphenyls - PBB, polybrominated diphenyl ethers - PBDE) as mentioned in the Directive.

Details of ROHS and REACH substances information are available on the Schneider-Electric Green Premium website.

http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.page

Additional environmental information

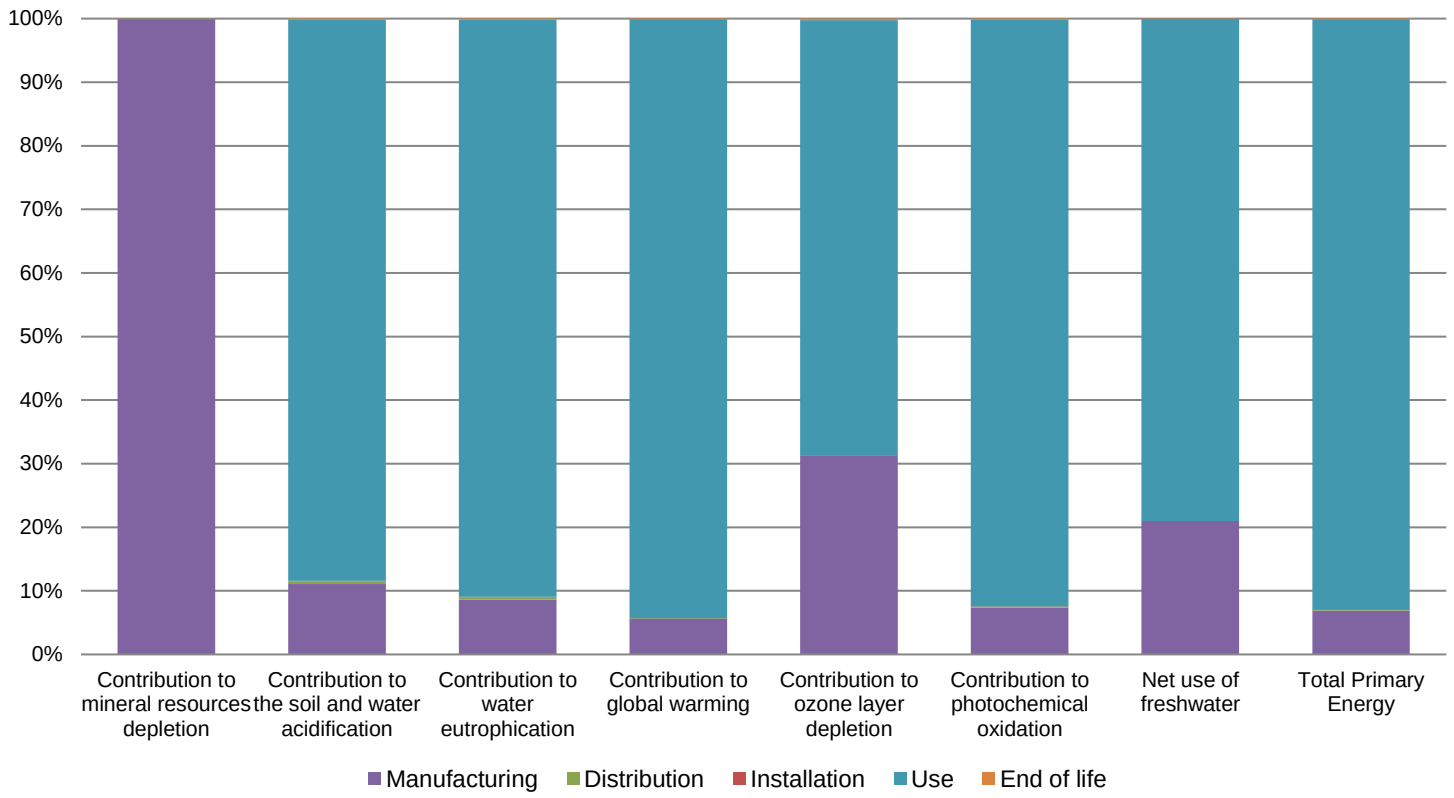
The Level Track Radar Monitor presents the following relevant environmental aspects	
Distribution	Weight and volume of the packaging optimized, based on the European Union's packaging directive. Packaging weight is 326,5 g, consisting of Cardboard (100%)
Installation	Installation will vary based on the client's specific situation. It is not expected to involve significant physical operations or materials.
Use	Maintenance includes recommended replacements of Batteries of 34g have to be changed every 5 years
End of life	End of life optimized to decrease the amount of waste and allow recovery of the product components and materials. This product contains Electronic board (27.6 g) and Battery (34 g) that should be separated from the stream of waste so as to optimize end-of-life treatment. The location of these components and other recommendations are given in the End of Life Instruction document which is available on the Schneider-Electric Green Premium website. http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.page Recyclability potential: **67%** Based on “ECO’DEEE recyclability and recoverability calculation method” (version V1, 20 Sep. 2008 presented to the French Agency for Environment and Energy Management: ADEME).

Environmental impacts

Reference life time	10 years
Product category	Other equipments - Active product
Installation elements	Transport and end of life of packaging accounted for during installation.
Use scenario	The product is in active mode 100% of the time with a power use of 2.1 W for 10 years.
Geographical representativeness	The product can be used in all regions.
Technological representativeness	The ATRM is a battery-powered monitor that measures and transmits the level, device temperature, and other status information to WebView for display to the user.

Energy model used	Manufacturing	Installation	Use	End of life
	Energy model used: USA	Electricity mix; AC; consumption mix, at consumer; 120V; US	Electricity mix; AC; consumption mix, at consumer; 120V; US	Electricity mix; AC; consumption mix, at consumer; 120V; US

Compulsory indicators	Level Track Radar Monitor - ATRM1D144020GH						
Impact indicators	**Unit**	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to mineral resources depletion	kg Sb eq	1,29E-03	1,28E-03	0*	0*	1,25E-06	0*
Contribution to the soil and water acidification	kg SO_2 eq	1,38E-01	1,53E-02	6,02E-04	7,36E-05	1,22E-01	2,39E-04
Contribution to water eutrophication	kg PO_4^{3-} eq	3,54E-02	3,05E-03	1,39E-04	1,79E-05	3,21E-02	6,77E-05
Contribution to global warming	kg CO_2 eq	1,35E+02	7,53E+00	1,32E-01	1,77E-02	1,27E+02	1,32E-01
Contribution to ozone layer depletion	kg CFC11 eq	3,38E-06	1,06E-06	0*	0*	2,31E-06	7,65E-09
Contribution to photochemical oxidation	kg C_2H_4 eq	2,12E-02	1,55E-03	4,29E-05	5,50E-06	1,95E-02	2,52E-05
Resources use	**Unit**	Total	Manufacturing	Distribution	Installation	Use	End of Life
Net use of freshwater	m3	2,85E-01	5,99E-02	0*	0*	2,25E-01	1,29E-04
Total Primary Energy	MJ	1,85E+03	1,27E+02	1,86E+00	2,31E-01	1,71E+03	1,21E+00



Optional indicators	Level Track Radar Monitor - ATRM1D144020GH						
Impact indicators	**Unit**	Total	Manufacturing	Distribution	Installation	Use	End of Life
Contribution to fossil resources depletion	MJ	1,64E+03	8,69E+01	1,85E+00	2,29E-01	1,55E+03	9,52E-01
Contribution to air pollution	m³	1,20E+04	1,17E+03	5,61E+00	0*	1,08E+04	9,34E+00
Contribution to water pollution	m³	6,85E+03	5,33E+02	2,17E+01	2,68E+00	6,28E+03	1,01E+01
Resources use	**Unit**	Total	Manufacturing	Distribution	Installation	Use	End of Life
Use of secondary material	kg	1,47E-02	1,47E-02	0*	0*	0*	0*
Total use of renewable primary energy resources	MJ	1,06E+02	2,65E+00	0*	0*	1,03E+02	0*
Total use of non-renewable primary energy resources	MJ	1,74E+03	1,25E+02	1,86E+00	2,30E-01	1,61E+03	1,21E+00
Use of renewable primary energy excluding renewable primary energy used as raw material	MJ	1,06E+02	2,64E+00	0*	0*	1,03E+02	0*
Use of renewable primary energy resources used as raw material	MJ	1,80E-02	1,80E-02	0*	0*	0*	0*
Use of non renewable primary energy excluding non renewable primary energy used as raw material	MJ	1,72E+03	1,02E+02	1,86E+00	2,30E-01	1,61E+03	1,21E+00
Use of non renewable primary energy resources used as raw material	MJ	2,27E+01	2,27E+01	0*	0*	0*	0*
Use of non renewable secondary fuels	MJ	0,00E+00	0*	0*	0*	0*	0*
Use of renewable secondary fuels	MJ	0,00E+00	0*	0*	0*	0*	0*
Waste categories	**Unit**	Total	Manufacturing	Distribution	Installation	Use	End of Life
Hazardous waste disposed	kg	1,74E+01	1,30E+01	0*	0*	3,41E+00	9,96E-01
Non hazardous waste disposed	kg	2,22E+01	2,66E+00	4,68E-03	2,40E-03	1,95E+01	8,70E-03
Radioactive waste disposed	kg	3,98E-03	1,97E-03	3,34E-06	4,72E-07	2,00E-03	6,48E-06
Other environmental information	**Unit**	Total	Manufacturing	Distribution	Installation	Use	End of Life
Materials for recycling	kg	8,80E-01	8,58E-02	0*	3,25E-01	0*	4,70E-01
Components for reuse	kg	0,00E+00	0*	0*	0*	0*	0*
Materials for energy recovery	kg	1,79E-02	0*	0*	0*	0*	1,79E-02
Exported Energy	MJ	1,64E-03	7,06E-04	0*	9,35E-04	0*	0*

** represents less than 0.01% of the total life cycle of the reference flow*

According to this environmental analysis, proportionality rules may be used to evaluate the impacts of other products of this range.

Depending on the impact analysis, for mineral resource depletion, the environmental indicators of other products in this family may be proportional extrapolated by mass of the product. For Soil and Water acidification the impact may be proportional at 35% by the mass of the product and 65% the energy. For Water Eutrophication the impacts may be proportional at 25% by the mass of the product and 75% the energy. For Global warming and Photochemical Oxidation, the impacts may be proportional at 15% by the mass of the product and 85% the energy. For Ozone Layer Depletion the impact may be proportional at 15% by the mass of the product and 85% the energy. For Net use of freshwater, the impact may be proportional at 50% by the mass of the product and 50% the energy. For Total Primary Energy, the impact may be proportional at 10% by the mass of the product and 90% the energy.

Please note that the values given above are only valid within the context specified and cannot be used directly to draw up the environmental assessment of an installation.

Registration number	ENVPEP2102005_V1	*Drafting rules*	PCR-ed3-EN-2015 04 02
Date of issue	01/2021		
Validity period	5 years	*Information and reference documents*	www.pep-ecopassport.org

Independent verification of the declaration and data

Internal X External

The elements of the present PEP cannot be compared with elements from another program.

Document in compliance with ISO 14021:2016 « Environmental labels and declarations - Self-declared environmental claims (Type II environmental labelling) »

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