

OJ ELECTRONICS A/S
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OJ Declaration on Environment and Materials PTH-3202 and PTH-3502, Pressure transducers

Environmental commitment of OJ Electronics A/S

Green vision

OJ Electronics will continue to develop intelligent solutions, which provide maximum comfort with minimum energy consumption.

Green strategy

For OJ Electronics, sustainability is a business approach that aims to achieve the best possible outcome not just for ourselves, but for our stakeholders and the environment too.

Impact

In all our business decisions and processes, we at OJ Electronics seek to strike a responsible balance between economic, human, and environmental considerations

Products concerned

The data are representative of the PTH-3202 and PTH-3502 series of pressure transducers.

Reference product is OJ item no. PTH-3202:



Data are representative of OJ item numbers:

XX-PTH-3202
XX-PTH-3502

XX representing letters "OJ" or customer two-letter abbreviation
or left blank.

Constituent materials

The products consist of the following fractions or components, including unit packaging and instruction manual:

Component	Material	Weight (g)	Weight % of total
Cover+box	Plastic, ABS	44	41%
Cable gland	Plastic, PA	9	8%
Clip	Aluminum	20	18%
Screws	Steel	2	2%
Nut	Brass	3	3%
Tubes	Silicone rubber	2	2%
Electronics	PCB, components	28	26%
	Total	108	100%

We declare that to the best of our knowledge the products meet the requirements of RoHS3, Restriction of Hazardous Substances Directives 2011/65/EU (RoHS2) with amendments, including Directive 2015/863/EU (RoHS3).

We declare that to the best of our knowledge the products meet the requirements of POP, Regulation (EU) 2019/1021 of the European Parliament and of the Council on persistent organic pollutants with amendments.

We declare that no nano materials have been intentionally added to the products.

In accordance with REACH, Registration, Authorisation and Restriction of Chemicals, European Union Regulation (EC) 1907/2006 with amendments, we hereby declare that the products include the following components with a content of Substances of Very High Concern, SVHC, above the limit of 0,1%, referring to the SVHC Candidate List of 14th of June 2023.

Component *)	Component weight (g)	SVHC	CAS-no.	Substance concentration (% w/w)	RoHS Exemption
SM4007PL-TP	0.017953	Lead	7439-92-1	3,2	7(a)
UCD1H101MNL1GS	No data	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	No data	No
SMBJ15A-TP	0.09874	Lead	7439-92-1	5,23	7(a)

*) Where alternative components might be used, "worst case" is reported.

Packaging

Products in unit boxes are packed in transportation boxes. Box size depends on size of order. When packing small orders, it may be necessary to add filler (typically paper or bubble wrap) for stability. Filler is mainly reuse.

Packaging	Material	Weight, total (g)	Weight pr. Unit (g)
Unit box and insert	Cardboard	34	34
Instruction manual	Paper	12	12
Transportation box	Cardboard	Varies with size of order	

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For larger orders, Transportation boxes may be stacked on pallets and wrapped or strapped:

Pallet: Euro pallet, heat treated according to ISPM 15

Wrapping foil: Plastic, LLPDE

Strapping band: Plastic, PP

Manufacturing

The products are manufactured at OJ Electronics A/S, Sønderborg, Denmark. OJ has an environmental certification according to ISO 14001:2015.

CO₂-equivalents for manufacturing: 0,054 kg CO₂-eq/product *)

*) Scope 1 and 2, 2022, average of all products produced at OJ Electronics A/S.

Installation

For the installation of the products, only standard tools are needed.

Use

No consumables are necessary to use these products.

End of life

Development team at OJ Electronics A/S aims to integrate product end-of-life factors in the design phase.

Hazardous Waste

The electronics include components with a content of SVHC above the limit of 0,1% as stated under "Constituent materials". When products are used as intended, the substances pose no risk. Caution is advised when disassembling the product and disposing of electronic components.

OJ has registered products as a group in the SCIP database in accordance with EU Waste Framework Directive (EU) 2018/85:

SCIP Number: 3d6970ad-a3a9-4217-8f83-93c3edeb51b0

Recycling

Recyclability rate is estimated to 95%.

Products can be separated into following waste fractions:

Fraction	% mass of products
Metal (aluminum, steel, brass)	23%
Plastic (ABS, PA)	49%
Electronic card, components	26%
Other	2%

Packaging (cardboard box, paper- or bubble wrap filler, pallet, wrapping, strapping) is 100% reusable or recyclable.

Best regards
OJ ELECTRONICS A/S

Karin Schmidt, Quality Coordinator