

OJ ELECTRONICS A/S
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30 October 2023

OJ Declaration on Environment and Materials PTH-3202-DF and PTH-3502-DF, Pressure transmitters with display and flow regulator

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 is representative of the PTH-3202-DF and PTH-3502-DF series of pressure transmitters with display and flow regulator.

Reference product is OJ item no. PTH-3202-DF:



Data are representative of OJ item numbers:

XX-PTH-3202-DF
XX-PTH-3502-DF

XX representing customer two-letter abbreviation or left blank.

Constituent materials

The products consist of the following fractions:

Fraction	Material	Weight (g) *)	Weight % of total
Cover+box	Plastic, ABS	43	44%
Cable gland	Plastic, PA	9	9%
Screw	Steel	1	1%
Nut	Brass	3	3%
Tube	Silicone rubber	1	1%
Electronics	PCB, Display, components	41	42%
	Total	98	100%

*) Weights are approximated, may vary slightly

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.

To our knowledge no nano materials or micro plastic have been intentionally added to the product.

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	Not available	6,6'-di-tert-butyl-2,2'-methylene-di-p-cresol	119-47-1	Not available	No
SMBJ15A-TP	0.09874	Lead	7439-92-1	5,23	7(a)

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

Packaging and accessories

Products in unit boxes are packed in brown cardboard boxes for transportation. Box size for transportation 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, per unit (g)
Unit box	Cardboard	34
Instruction manual	Paper	19

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Smaller orders are shipped in cardboard boxes. For larger orders, cardboard 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.

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)	4%
Plastic (ABS, PA)	53%
Electronic card, components	42%
Other	1%

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

Best regards
OJ ELECTRONICS A/S

Karin Schmidt, Quality Coordinator