

[1] **EU – TYPE EXAMINATION CERTIFICATE**

[2] Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU.

[3] EU-Type Examination Certificate Number: **EXA 17 ATEX 0032X** Issue: **1**

[4] Product: **Level sensor**

Type: **OMUV 05-**

[5] Manufacturer: **OMÜV-MB Kft.**

[6] Address: **Munkácsy M. u. 48., 2045 Törökbálint, HUNGARY**

[7] This product and any acceptable variation thereto is specified in the schedule to this certificate and documents therein referred to.

[8] Ex-Agencija, Notified Body number 2465 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II of the Directive.

The examination and test results are recorded in confidential Report No.: **EXA 17CR029**

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2012+A11:2013 **EN 60079-1:2014** **EN 60079-26:2015**

except in respect of those requirements listed at item 18 of the Schedule.

[10] If the sign 'X' is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.

[11] This EU-Type Examination Certificate relates only to the design, examination and test of the specified product in accordance with Annex III. Further requirements of the Directive apply to the manufacturing process and supply of this products. These are not covered by this certificate.

[12] The marking of the product shall include the following:



II 2G Ex db IIB T5 Gb or **II 1/2G Ex db IIB T5 Ga/Gb**

Date: 26.04.2017.

PB.16.TC.141

Ex-Agencija

Department of equipment certification

Approved by:

Stipo Đerek, dipl.ing.el.



[13] SCHEDULE**[14] EU - TYPE EXAMINATION CERTIFICATE No.: EXA 17 ATEX 0032X****[15] Description of product**

The floater-magnetic level sensor is intended to be used for liquid level measurement in hazardous area. Enclosure is made of aluminium and probe pipe is made of stainless steel.

Maximum length of pipe is 6 m.

Product types: OMUV 05-1, OMUV 05-3, OMUV 05-4 and OMUV 05-6 are category 1/2G. The floater and the tube of the sensor are category 1G, while housing of the sensor is category 2G. All other types: OMUV 05-2 and OMUV 05-9 are category 2G.

Cable entry is made with separately certified cable gland (type of protection Ex d).

Technical data:

$U_{max} = 230 \text{ Vac}$; $I_{max} = 0.5 \text{ A}$, $P_{max} = 10 \text{ VA}$

$T_{amb} = -20^{\circ}\text{C}$ to $+70^{\circ}\text{C}$ (only for OMUV 05-3)

$T_{amb} = -60^{\circ}\text{C}$ to $+90^{\circ}\text{C}$ (for other types)

Maximum medium pressure is 25 bar.

[16] Confidential Report No. EXA 17CR029**[16.1] Routine testing**

The manufacturer shall carry out routine test according to clause 16.1 of the EN 60079-1, static overpressure test with pressure according to table below in a period of at least 10 seconds.

Tamb min:	-20°C	-50°C	-60°C
Static pressure:	30 bar	37 bar	42 bar

[17] Specific Conditions of Use

The flameproof joints have different values from those specified in the tables of the EN 60079-1 standard. For information regarding the dimensions of the flameproof joints contact the manufacturer.

If the user will change the screws, it is imperative that new screws have quality of at least A2-50.

The level sensor intended for $T_{amb \max} = +70^{\circ}\text{C}$ / $+90^{\circ}\text{C}$ shall be provided with cable of thermal stability not less than 80°C / 100°C .

[18] Essential Health and Safety Requirements

Covered by the standards listed at item 9.

[19] Drawings and Documents

Title:	Drawing No.:	Rev. level:	Date:
Technical Description OMUV 05 level sensor family (4 pgs.)	/	/	10.04.2017.
Instruction manual for OMÜV 05 type level sensors (10 pgs.)	/	3	20.04.2017.
Certification drawings:			
OMÜV 05-1 Ex level sensor	OM-051000e	2	02.05.2016.
OMÜV 05-2 Ex level sensor	OM-052000e	1	10.05.2016.
OMÜV 05-3 Ex level sensor	OM-053000e	1	19.05.2016.
OMÜV 05-4 Ex level sensor	OM-054000e	1	13.05.2016.
OMÜV 05-6 Ex level sensor	OM-056000e	1	12.05.2016.
OMÜV 05-9 Ex level sensor	OM-059000e	1	13.06.2016.
OMÜV Ex housing	OM-001001e	1	13.09.2016.
05-1 flange DN100-150	OM-051001e	1	05.04.2016.
05-1 endplug M10	OM-051002e	1	05.04.2016.
05-1 nut cover	OM-051003e	1	05.04.2016.
05 Ex data plate	OM-051010e	3	20.04.2017.