

Electromagnetic Compatibility (EMC) Directive 2014/30/EU, Directive 2014/34/EU on equipment and protective systems intended for use in potentially explosive atmospheres (ATEX) and Directive (RoHS) 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

a) The manufacturer

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b) The Products Covered by this Declaration

Ultrasonic level meter

ULM-53Xi-_-_-I-_-_- and ULS-53Xi-_-_-S-_-_-

c) Product brief

Ultrasonic level meters type ULM-53Xi-_-_-I-_-_- are designed for continuous level measurement.
Ultrasonic level sensors type ULS-53Xi-_-_-S-_-_- are designed for limit level sensing.



d) The Basis on which Conformity is being Declared

Intrinsic safety:	EN IEC 60079-0:2018 EN 60079-11:2012
Electromagnetic compatibility:	EN 55011:2007 -class B EN 61326-1:2005 industrial areas EN 61000-4-2:1995 + A1:1998 class A EN 61000-4-3:2006 class A EN 61000-4-4:2004 class B EN 61000-4-5:2006 class A EN 61000-4-6:1996 + A1:2001 class A

e) Details of accredited person

Intrinsic safety:	Notified Body No. NB 1026, FTZÚ (Physical-Technical Testing Institute), Pikartská 1337/7, 716 07 Ostrava-Radvanice, Czech Republic. EC-Type Examination Certificate No. FTZÚ 09 ATEX 0119X from 26. 2. 2010, Supplement No. 1 from 25. 5. 2015 and Supplement No. 2 from 15. 11. 2021.
Electromagnetic compatibility:	Accredited testing laboratory No. 1004.3, Institute for testing and certification, a.s., Sokolovská 573, 686 01 Uherské Hradiště, Czech Republic, ID: 47910381. EMC protocol No. 3630/09 from 15. 4. 2009.

f) Special conditions for safe use

 **II 1/2G Ex ia IIB/IIA T5 Ga/Gb** resp.  **II 2G Ex ia IIA T5 Gb**, the device is designed for connection to the isolating repeater IRU-420. When the other approved supply unit is used, whose output parameters satisfy above mentioned output parameters, it is necessary to have a galvanic separation or, if supply unit without galvanic separation is used (Zener barriers), it is necessary provide potential equalization between sensor and point of barrier earthing.

For application in zone 0 the present explosive atmospheres - mixture of air with flammable gases, vapour or mists must comply:

- 20°C < Ta < + 60°C; 0.8 bar < p < 1.1 bar.

The device must be installed in such a way, to prevent mechanical damage of sensor face. For models ULM-53Xi-20-F-I-_-_- and ULS-53Xi-20-F-S-_-_- is necessary carried out earthing of flange by screw which is placed on flange.

Maximum input parameters:

U_i = 30 V; I_i = 132 mA; P_i = 0.99 W; C_i = 370 nF; L_i = 0.9 mH

g) Ensure production quality

The manufacturer's quality management system was found to comply with the requirements of EN ISO 9001:2016. The company holds the quality management system certificate, reg. number CQS 2191/2024, dated October 13, 2024, and valid until October 12, 2027, issued by the certification body CQS (IQNet). The certificate is valid for the development, manufacture, and sale of electronic components and systems for measurement, control, and industrial automation.

For products in potentially explosive atmospheres are to quality management system according to ISO 9001 applied special requirements according to EN ISO/IEC 80079-34:2020. The manufacturer got QUALITY ASSURANCE NOTIFICATION No. "FTZÚ 02 ATEX Q 016", issued by the Notified Body NB 1026 FTZÚ Ostrava-Radvanice. The notification is issued for protective systems intended for use in potentially explosive atmospheres acc. to Directive 2014/34/EU. The notice applies to a group of products with the type of explosion protection – Intrinsic safety "i" Protection with enclosure "t" and was issued on the basis of the audit protocol No. FTZÚ 02/ATEXQ/016 issued on 16. 6. 2023 and valid until 30. 6. 2026.

h) Manufacturer confirmation

The manufacturer identified in paragraph a) of this statement confirms that the properties of the product identified in point b) and c) of this declaration, meet the requirements, concretized in European technical standards identified in paragraph d) of this statement.

The product is under manufacturer's intended use safe. The manufacturer confirms that he has taken actions to ensure conformity of all products put on the market with technical documentation and the basic requirements.

Issued in Zlín, on March 1, 2025.



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