



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEx FTZU 16.0005** Page 1 of 4 [Certificate history:](#)  
Status: **Current** Issue No: 1 [Issue 0 \(2016-02-29\)](#)  
Date of Issue: 2020-11-11  
Applicant: **Huisman Konstrukce, s.r.o.**  
Nádražní 289  
Sviadnov 739 25  
Czech Republic  
Equipment: **Sensor type Load Measuring Pin Ex**  
Optional accessory:  
Type of Protection: **Intrinsic safety**  
Marking: Ex ib IIB T4 Gb

Approved for issue on behalf of the IECEx  
Certification Body:

**Dipl. Ing. Martin Zámrský**

Position:

**Deputy Director**

Signature:  
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**Fyzikálne technický zkusební ústav  
(Physical -Technical Testing Institute)  
Pikartska 7, 71607 Ostrava - Radvanice  
Czech Republic**





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Manufacturer: **Huisman Konstrukce, s.r.o.**  
Nádražní 289  
Sviadnov 739 25  
**Czech Republic**

Additional  
manufacturing  
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

## STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

**IEC 60079-0:2017** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

**IEC 60079-11:2011** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

## TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[CZ/FTZU/ExTR16.0005/00](#)

[CZ/FTZU/ExTR16.0005/01](#)

Quality Assessment Report:

[CZ/FTZU/QAR20.0007/00](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The equipment is a sensor type Load Measuring Pin Ex. The equipment can be in variant LMP Ex Single Output or LMP Ex Dual Output. The equipment comprises a stainless steel cylindrical body and one connector. Inside there are one (Single Output) or two (Dual Output) PCBs connected to electronic circuits with strain gauges.

The equipment can be connected out of hazardous area to non-intrinsic safe circuits for configuration purposes which fulfil the requirements of the clause 16.2.1 of the standard IEC 60079-14:2013.

### Parameters:

Degree of protection: IP 66

Ambient temperature: -30 to +60°C

Intrinsic safety parameters:  $U_i = 28.3 \text{ V}$ ,  $I_i = 93 \text{ mA}$ ,  $P_i = 651 \text{ mW}$ ,  $L_i = 0$ ,  $C_i = 593 \text{ nF}$

Voltage for connection out of hazardous area:  $U_m = 4.2 \text{ V}$

For Instructions see document LMP-07-A-X0000943-66-130, rev. C

**SPECIFIC CONDITIONS OF USE: NO**



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## **DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

- 1) Change of manufacturer and applicant.
- 2) Change of QAR.
- 3) Assessment according to the new edition of standard IEC 60079-0:2017.
- 4) Updated documentation.