



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx UL 16.0120 Issue No: 0 Certificate history:
Issue No. 0 (2017-03-16)

Status: **Current** Page 1 of 3

Date of Issue: **2017-03-16**

Applicant: **Meriam Process Technologies**
10920 Madison Avenue
Cleveland, OH 44102
United States of America

Equipment: **meriSense, Model MS7nnX-YYZZZ**
Optional accessory:

Type of Protection: **Intrinsic safety "ia"**

Marking:
Ex ia IIC T4 Ga
-10°C to +50°C

*Approved for issue on behalf of the IECEx
Certification Body:*

Paul T. Kelly

Position:

Principal Engineer - Global Hazardous Locations

*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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

UL LLC
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America





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Manufacturer: **Meriam Process Technologies**
10920 Madison Avenue
Cleveland, OH 44102
United States of America

Additional Manufacturing location(s):

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 electrical apparatus 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0
IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

*This Certificate **does not** indicate compliance with electrical 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 Report:

[US/UL/ExTR16.0142/00](#)

Quality Assessment Report:

[US/UL/QAR10.0011/04](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The meriSense MS7nnX-YYZZZ is an interchangeable smart pressure sensor module designed to sense pressure.

Nomenclature

The nomenclatures for the MeriSense model is as follows:

MS7	nn	X	-YY	ZZZZ
I	II	III	IV	V

I - Basic model number: MS7

II - Two alphanumeric characters to indicate version of a meriSense

III - X denotes intrinsically safe product

IV - Where YY maybe AI or CI to represent absolute or compound Isolated sensor type

V - ZZZZ represents alphanumeric characters, 0-9 or A-Z, for pressure range

SPECIFIC CONDITIONS OF USE: NO