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 19.0057	Issue No: 0	Certificate history:
			Issue No. 0 (2019-07-26)
Status:	**Current**		
		Page 1 of 4	
Date of Issue:	**2019-07-26**		

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

Equipment: **MTS Sensor**
Optional accessory: *MTSX-YYZZZZ*

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:*

Lucy Frieders

Position:

Staff Engineer

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.

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Manufacturer: **Meriam Process Technologies**
10920 Madison Ave.
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 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
Edition:6.0
Explosive atmospheres - Part 0: General requirements

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

*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/ExTR19.0066/00

Quality Assessment Report:

US/UL/QAR10.0011/05

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The MTS Series is a smart pressure sensor module designed to sense pressure. The MTS Sensor is housed in a plastic enclosure, and contains a maximum of three circuit boards, the MTS Flex PCB, the Paddle PCB, and the EPI Main PCB. The Paddle PCB is interchangeable between DP-86, 85 series, 89 series, 1210 series or RTD series depending on the pressure ranges and fitting. The Paddle PCB contains no inductance or capacitance. There are no protective components on any of the boards.

Please see Annex for addtional information.

SPECIFIC CONDITIONS OF USE: NO

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Additional information:

Annex:

Annex to IECEx IECEx UL 19.0057 Issue 0.pdf

TYPE DESIGNATION

The nomenclature for the MTS Series is as follows:

MTS X YY ZZZZ
I III IV V

I - Basic model number: MTS

II - X denotes intrinsically safe product

III - Where YY maybe AI, AN, CI, CN, DL, DN, or RTD to represent sensor type

IV - ZZZZ represents alphanumeric characters, 0-9 or A-Z, for pressure range or blank if RTD option.

PARAMETERS RELATING TO THE SAFETY

Entity Parameters for MTS Series:
Ui: 5 VDC
Ii: 227 mA
Pi: 1.25 W
Ci: 20 uF
Li: 0 uH

MARKING

Marking has to be readable and indelible; it has to include the following indications:

IECEx UL 19.0057
Ex ia IIC T4 Ga
II 1 G DEMKO 19 ATEX 2231

Proc. Cont. Eq. for Hazardous Locations
Class I, Div.1 Groups A,B,C,D: T4 Exia
Class I, Zone 0, AEx ia IIC T4 Ga
Ex ia IIC T4 Ga −10 °C < Ta < 50 °C

c UL us LISTED
E303279 0539
CE

Meriam
10920
Madison Ave
Cleveland
Ohio USA
44102
+ 1 216
281 1100

Warning: Intrinsically Safe Circuit Only when installed per 9R699

Model Number Location

Serial Number Location