



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 LCI 11.0016X issue No.:1

Certificate history:
Issue No. 1 (2015-4-28)
Issue No. 0 (2011-3-11)

Status: **Current**

Date of Issue: **2015-04-28** Page 1 of 4

Applicant: **Metrix Instrument Co.**
8824 Fallbrook Drive
Houston, Texas 77064
United States of America

Electrical Apparatus: **Vibration Switches / type : SW6000 and SM6100**
Optional accessory:

Type of Protection: **Flameproof "d"**

Marking: METRIX INSTRUMENT Co.
Address:
Type:
Serial Number:
Year of manufacturing:
Ex d IIB + H2 T4 Gb
Tamb: -40°C to +85°C (1) or
Tamb: -10°C to +70°C (2)
IECEX LCI 11.0016X
Note (1) : without display function
Note (2) : with display function

Approved for issue on behalf of the IECEx Rémi HANOT
Certification Body:

Position: Certification Officer

Signature:
(for printed version)

Date:

2015/04/28

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:
Laboratoire Central des Industries Electriques (LCIE)
33 Avenue du General Leclerc
FR-92280 Fontenay-aux-Roses
France

Documents relative to LCIE certification activities (Certificates, QARs, ExTRs) can be registered under the references "LCI" or "LCIE".





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Certificate No.: IECEx LCI 11.0016X

Date of Issue: 2015-04-28

Issue No.: 1

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Manufacturer: **Metrix Instrument Co.**
8824 Fallbrook Drive
Houston, Texas 77064
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 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition: 6

*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:
[FR/LCI/ExTR11.0016/01](#)

Quality Assessment Report:

[GB/BAS/QAR10.0017/02](#)



IECEx Certificate of Conformity

Certificate No.: IECEx LCI 11.0016X

Date of Issue: 2015-04-28

Issue No.: 1

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

SW6000 and SM6100 vibration switches are used in detecting machine vibration and providing protection to the machine by shutting it down when predetermined vibration level is exceeded. SW6000 employs an internal accelerometer while SM6100 can accept various external vibration transducers.

CONDITIONS OF CERTIFICATION: YES as shown below:

Ambiant temperature range is -40°C to +85°C for model without display.
Ambiant temperature range is -10°C to +70°C for model with liquid crystal display



IECEx Certificate of Conformity

Certificate No.: IECEx LCI 11.0016X

Date of Issue: 2015-04-28

Issue No.: 1

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1 : normative update according to IEC 60079-0:2011 Ed 6.0



The following pages are the prior revisions of this certificate.



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INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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Certificate No.: IECEx LCI 11.0016X issue No.:0 Certificate history:.....

Status: **Current**

Date of Issue: 2011-03-11 Page 1 of 3

Applicant: **Metrix Instrument Co.**
8824 Fallbrook Drive
Houston, Texas 77064
United States of America

Electrical Apparatus: **Vibration Switches / type : SW6000 and SM6100**
Optional accessory:

Type of Protection: **Flameproof "d"**

Marking: **METRIX INSTRUMENT Co.**
Address:
Type:
Serial Number:
Year of manufacturing:
Ex d IIB + H2 T4
Tamb: -20°C to +85°C (1) or
Tamb: -10°C to +70°C (2)
IECEX LCI 11.0016X
Note (1) : without display function
Note (2) : with display function

Approved for issue on behalf of the IECEx
Certification Body:

Marc GILLAUX

Position:

Certification Manager

Signature:
(for printed version)

Date:

11 MARS 2011

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Laboratoire Central des Industries Electriques (LCIE)
33 Avenue du General Leclerc
FR-92260 Fontenay-aux-Roses
France



LCIE

METRIX DOC No: 1168055
REV: A



IECEX Certificate of Conformity

Certificate No.: IECEx LCI 11.0016X

Date of Issue: 2011-03-11

Issue No.: 0

Page 2 of 3

Manufacturer: **Metrix Instrument Co.**
8824 Fallbrook Drive
Houston, Texas 77064
United States of America

Manufacturing location(s):

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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 : 2004** Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
Edition: 4.0
- IEC 60079-1 : 2007-04** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition: 6

*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:

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FR/LCI/ExTR11.0016/00

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Certificate No.: IECEx LCI 11.0016X

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Schedule

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