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 LCIE 13.0066X issue No.:1	Certificate history: Issue No. 1 (2015-11-9) Issue No. 0 (2013-11-29)
Status:	**Current**	
Date of Issue:	**2015-11-09**	Page 1 of 4

Applicant: **PCB Piezotronics**
3425 Walden Avenue,
Depew, New York 14043
United States of America

Electrical Apparatus: **Pressure Sensor**
Optional accessory: Type : 1xxAyyy, 1xxByyy 1xxMyyy

Type of Protection: **Ex nA**

Marking:
PCB Piezotronics
Address : ...
Type : 1xxAyyy, 1xxByyy or 1xxMyyy
Serial number : ...
Year of construction : ...
Ex nA IIC T4 Gc
IECEx LCIE 13.0066 X
Ambient temperature : - 54°C to +121°C
WARNING – DO NOT SEPARATE WHEN ENERGIZED.

Approved for issue on behalf of the IECEx Certification Body: Julien GAUTHIER

Position: Certification Officer

Signature:
(for printed version)

Date: 2015-11-09

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.

Certificate issued by:
Laboratoire Central des Industries Electriques (LCIE)
33 Avenue du General Leclerc
FR-92260 Fontenay-aux-Roses
France
Documents relative to LCIE certification activites (Certificates, QARs, ExTRs) can be registered under the references "LCI" or "LCIE".

L C I E

IECEx Certificate of Conformity

Certificate No.: IECEx LCIE 13.0066X

Date of Issue: **2015-11-09** Issue No.: **1**

Manufacturer:

PCB Piezotronics
3425 Walden Avenue,
Depew, New York 14043
United States of America

Additional Manufacturing location (s):

PCB Piezotronics of North Carolina Inc
10869 Hwy 903
Halifax, NC 27839
United States of America

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 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-15 : 2010 Edition: 4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"

*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/LCIE/ExTR13.0061/00 FR/LCIE/ExTR15.0111/00

Quality Assessment Report:

NL/DEK/QAR14.0004/01

IECEx Certificate of Conformity

Certificate No.: IECEx LCIE 13.0066X

Date of Issue: **2015-11-09** Issue No.: **1**

Schedule

EQUIPMENT:
Equipment and systems covered by this certificate are as follows:

The pressure sensors 1xxAyyy, 1xxByyy, 1xxMyyy are comprised of a piezo-crystal assembly, a charge amplifier and a connector. The assembly is mounted inside a metallic enclosure.

All models use one metal enclosure to house both the piezo-crystal and the charge amplifier. The models differ from each other only in minor amplifier circuitry component values and in minor mechanical mounting variations.

The "xx" in the model number denotes frequency response.
The "yyy" in the model number denotes minor mechanical mounting variations, variations in pressure range and variations in low frequency response.

CONDITIONS OF CERTIFICATION: YES as shown below:

Ambient temperature : - 54℃ to +121℃

The supply electrical parameters shall not exceed ($U \leq 30$ V, $I \leq 200$ mA, $P \leq 1$ W, $C \leq 5$ nF, $L \approx 0$).

Concerning the use of the Pressure Sensor, see instruction manual of the manufacturer.

IECEx Certificate of Conformity

Certificate No.: IECEx LCIE 13.0066X

Date of Issue: **2015-11-09** Issue No.: **1**

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

Issue 01 : Modification of QAR

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INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

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Certificate No.: IECEx LCIE 13.0066X

Issue No: 0

Certificate history:
Issue No. 1 (2015-11-09)
Issue No. 0 (2013-11-29)

Status: **Current**

Date of Issue: **2013-11-29**

Applicant: **PCB Piezotronics Inc**
3425 Walden Avenue,
Depew, New York 14043
United States of America

Equipment: **Pressure Sensor**

Optional accessory:

Type of Protection: **Non-sparking "nA"**

Marking:

PCB

Address : ...

Type : 1xxAyyy, 1xxByyy or 1xxMyyy

Serial number : ...

Year of construction : ...

Ex nA IIC T4 Gc

IECEx LCIE 13.0066 X

Ambient temperature : - 54°C to +121°C

WARNING – DO NOT SEPARATE WHEN ENERGIZED.

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Certificate issued by:

IECEx Certificate of Conformity

Certificate No: IECEx LCIE 13.0066X Issue No: 0

Date of Issue: **2013-11-29**

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

IECEx Certificate of Conformity

Certificate No:	IECEx LCIE 13.0066X	Issue No: 0
Date of Issue:	**2013-11-29**	Page 3 of 4
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*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/LCIE/ExTR13.0061/00

Quality Assessment Report:

CA/CSA/QAR09.0018/02

IECEx Certificate of Conformity

Certificate No: IECEx LCIE 13.0066X Issue No: 0

Date of Issue: **2013-11-29**

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The "yyy" in the model number denotes minor mechanical mounting variations, variations in pressure range and variations in low frequency response.

SPECIFIC CONDITIONS OF USE: YES as shown below:

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