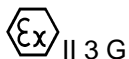


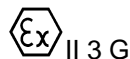
**Type Examination Certificate      CML 24ATEX2365X      Issue 0**

- 1 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Equipment      **Industrial Triaxial ICP Accelerometers**  
                      **EX629YYYYZ**  
                      **EX630YYYYZ**  
                      **EX639YYYYZ**
- 3 Manufacturer    **PCB Piezoelectronics Inc.**
- 4 Address          **3425 Walden Avenue, Depew,**  
                      **14043-2495, USA**
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 Eurofins CML B.V., Chamber of Commerce No 67386717, Koopvaardijweg 32, 4906CV Oosterhout, The Netherlands, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II of Directive 2014/34/EU.  
The examination and test results are recorded in the confidential reports listed in Section 12.
- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Annex VIII apply to the manufacture of the equipment or component and are separately certified.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:  
EN IEC 60079-0:2018      EN IEC 60079-7:2015+A1:2018      EN 60079-11:2012
- 10 The equipment shall be marked with the following:



Ex ic IIC T4 Gc

Ta= -40°C to +121°C



Ex ec IIC T4 Gc

Ta= -40°C to +121°C

**S. Roumbedakis**  
Certification Manager

## 11 Description

Industrial triaxial ICP accelerometer is composed of a hermetically sealed, stainless-steel housing, which houses a piezoelectric crystal and a circuit board.

Either a four-pin threaded connector which is provided at the top or the side of the housing, or the unit will be provided with an integral cable.

The vibration sensors provide a voltage output when subjected to mechanical motion.

There are three versions:

- 1) Industrial triaxial ICP accelerometer with connector (EX629YYYYZ and EX630YYYYZ)
- 2) Industrial triaxial ICP accelerometer with integral cable (EX629YYYYZ and EX630YYYYZ)
- 3) Industrial triaxial ICP accelerometer connector version (EX639YYYYZ)

### Ratings:

Connector version (ic):

Ui: 28 V

Ii: 120 mA

Pi: 840 mW

Ci: 15 nF

Li: 0  $\mu$ H

Integral cable version (ic) (Maximum cable length 500 ft (152.4 m):

Ui: 28 V

Ii: 120 mA

Pi: 840 mW

Ci: 45.5 nF

Li: 152.5  $\mu$ H

Increased safety versions (ec):

U:  $\leq$  28 V

I:  $\leq$  120 mA

P:  $\leq$  840 mW

Notes:

- ATEX Cert No. LCIE 15ATEX1027X is superseded by this certificate.
- Where ATEX Cert No. LCIE 15ATEX1027X is specified in other product certification, or other technical specifications, this certificate reference for the product shall be used in its place; updating of the other product certificate or technical specification is not required.

## 12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	13 Aug 2025	R18417A/00 (MT133231)	Issue of Prime Certificate

Note: Drawings that describe the equipment or component are listed in the Annex.

## 13 Conditions of Manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

All models:

- i. Where the product incorporates certified parts or safety critical components, the manufacturer of the product defined on this certificate shall continually monitor these parts/components for any modifications introduced by the manufacturer(s) of these constituent parts. If the manufacturer of any constituent part introduces any changes which affect the compliance of the certified product that is the subject of this certificate, the manufacturer is required to have this certificate updated.
- ii. Each unit shall be subjected to a routine dielectric strength test in accordance with the requirements of EN IEC 60079-7:2015+A1:2018 clause 7.1 or EN 60079-11:2012 clause 10.3. The test shall be conducted at a voltage of at least 500 V, 50 Hz for at least 60 seconds. There shall be no breakdown or flashover observed as a result of the test.

## 14 Specific Conditions of Use (Special Conditions)

The following conditions relate to safe installation and/or use of the equipment.

### Intrinsic safety models "ic"

- i. The mounting of the equipment into an installation shall be carried out so that the metallic body and cable shield are reliably connected to the system earth.
- ii. Installation shall be as per the requirements of the instruction manual.

### Increased safety models "ec"

- i. The mounting of the equipment into an installation shall be carried out so that the metallic body and cable shield are reliably connected to the system earth.
- ii. Installation shall be as per the requirements of the instruction manual.
- iii. Transient protection shall be provided that is set at a level not exceeding 140% of the peak rated voltage value at the supply terminals to the equipment.
- iv. The equipment shall only be used in an area of at least pollution degree 2, as defined in IEC 60664-1.

## Certificate Annex

**Certificate Number** CML 24ATEX2365X  
**Equipment** Industrial Triaxial ICP Accelerometers  
EX629XYYYY  
EX630XYYYY  
EX639XYYYY  
**Manufacturer** PCB Piezoelectronics Ltd.



The following documents describe the equipment or component defined in this certificate:

### Issue 0

#	Drawing No.:	Sheets	Rev.	Approved Date:	Title:
01	79874	1 of 2	NR	13 Aug 2025	Approval Assembly EX629XYYYY & EX630XYYYY Integral Cable Version Series
	79874	2 of 2	NR	13 Aug 2025	Approval Etching Drawing EX629XYYYY & EX630XYYYY Integral Cable Series
02	61514	1 to 2	B	13 Aug 2025	Approval Interconnection Zone 2 For Models EX629XYYYY, EX630XYYYY and EX639XYYYY Series
03	79857	1 of 2	NR	13 Aug 2025	Approval Assembly EX629XYYYY and EX630XYYYY Connector Version Series
	79857	2 of 2	NR	13 Aug 2025	Approval Etching Drawing EX629XYYYY & EX630XYYYY Connector Version Series
04	79876	1 of 2	NR	13 Aug 2025	Approval Assembly EX639XYYYY Connector Version Series
	79876	2 of 2	NR	13 Aug 2025	Approval Etching Drawing EX639XYYYY Connector Version Series
05	59670	1 of 2	B	13 Aug 2025	Approval Assembly EX629XYYYY & EX630XYYYY Integral Cable Version
	59670	2 of 2	B	13 Aug 2025	Approval Etching Drawing EX629XYYYY & EX630XYYYY Integral Cable Series
06	72816	1 of 2	A	13 Aug 2025	Approval Assembly EX629XYYYY and EX630XYYYY Connector Version Series
	72816	2 of 2	A	13 Aug 2025	Approval Etching Drawing EX629XYYYY & EX630XYYYY Connector Version Series
07	79871	1 of 2	NR	13 Aug 2025	Approval Assembly EX639XYYYY Connector Version Series
	79871	2 of 2	NR	13 Aug 2025	Approval Etching Drawing EX639XYYYY Connector Version Series
08	59646	1 of 1	B	13 Aug 2025	Approval Schematic EX629XYYYY, EX630XYYYY and EX639XYYYY Series

## Certificate Annex

**Certificate Number** CML 24ATEX2365X  
**Equipment** Industrial Triaxial ICP Accelerometers  
EX629XYYYY  
EX630XYYYY  
EX639XYYYY  
**Manufacturer** PCB Piezoelectronics Ltd.



#	Drawing No.:	Sheets	Rev.	Approved Date:	Title:
09	59647	1 of 1	B	13 Aug 2025	Component List of EX629XYYYY, EX630XYYYY and EX639XYYYY Series
10	59645	1 of 2	B	13 Aug 2025	Approval Assembly EX629XYYYY & EX630XYYYY Integral Cable Version Series
	59645	2 of 2	B	13 Aug 2025	Approval Etching Drawing EX629XYYYY & EX630XYYYY Integral Cable Series
11	72813	1 of 2	A	13 Aug 2025	Approval Assembly EX629XYYYY and EX630XYYYY Connector Version Series
	72813	2 of 2	A	13 Aug 2025	Approval Etching Drawing EX629XYYYY & EX630XYYYY Connector Version Series
12	79857	1 of 2	NR	13 Aug 2025	Approval Assembly EX639XYYYY Connector Version Series
	79857	2 of 2	NR	13 Aug 2025	Approval Etching Drawing EX639XYYYY Connector Version Series
13	73093	1 to 2	NR	13 Aug 2025	Amplifier Assembly