



# 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](http://www.iecex.com)

Certificate No.: IECEx TRC 10.0011X      issue No.:0      Certificate history:  
Issue No. 1\* (2011-8-18)  
Issue No. 0 (2011-8-17)

Status: **Current**

Date of Issue: **2011-08-17**      Page 1 of 3

Applicant: **Bruel & Kjaer Vibro GmbH**  
Leydheckerstrasse 10  
64293 Darmstadt  
Germany

Electrical Apparatus: **Data Collector, Vibrotest 80xxx & Vibroport 80xxx**  
Optional accessory:

Type of Protection: **intrinsic safety**

Marking: **II 3 G Ex ic IIC T4 Gc**  
**Tamb = -10°C to +50°C**

Approved for issue on behalf of the IECEx Certification Body: S P Winsor

Position: Certification Liaison Officer

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:

TRaC Global Ltd.  
Unit 1 Pendle Place  
Skelmersdale  
West Lancashire  
WN8 9PN  
United Kingdom





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Certificate No.: IECEx TRC 10.0011X  
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Manufacturer: **Bruel & Kjaer Vibro GmbH**  
Leydheckerstrasse 10  
64293 Darmstadt  
Germany

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 : 2004** Electrical apparatus for explosive gas atmospheres - Part 0: General requirements  
Edition: 4.0
- IEC 60079-11 : 2006** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"  
Edition: 5

*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:  
[GB/TRC/ExTR11.0001/00](#)

Quality Assessment Report:  
[DE/PTB/QAR11.0003/00](#)

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### Schedule

#### EQUIPMENT:

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

The Vibrotest 80xxx and Vibroport 80xxx Data collectors are battery operated hand-held, portable 4-channel data acquisition devices which collect machinery data in the form of dynamic and static measurements from a variety of data sources (e.g. vibration, temperature, and noise). The Vibroport 80xxx is physically larger than the Vibrotest 80xxx but contains the same main boards. The Vibroport 80xxx uses the BP-15-CC battery pack and the Vibrotest 80xxx uses the BP-12 battery pack.

#### CONDITIONS OF CERTIFICATION: YES as shown below:

1. Do not charge or replace the battery pack in the hazardous area.
2. Only channel 1, channel 2 and two pins on the power/aux input (EXT TRIG AUX and +5V-TACHO OUT) are to be used in the hazardous area for connection to Ex approved equipment as detailed in the safety instructions.
3. The SD card (Sandisk model Secure Digital Card 'SDSDx-yyy') shall not be inserted or disconnected in the hazardous area. It must be installed in the safe area only.
4. All unused connectors, except channel 1 and 2, must be fitted with blanking caps in the hazardous area.
5. Only for use with defined charger (rated at 12V, 5A).
6. The equipment is not designed for long term exposure to ultraviolet light.
7. The seals and the casing of the equipment must be regularly inspected for damage or wear and tear to ensure the integrity of the water and dust protection.
8. The equipment was designed for connection to a specific set of ATEX/IECEx approved sensors. These were detailed within the instruction sets.

**Annexe:** [Annex to IECEx TRC 10.0011X is 0.pdf](#)

