(1) # Certificate of Conformity

(2) Equipment and protective systems intended for use in potentially explosive atmospheres – **Directive 2014/34/EU**

(3) Certificate Number

EPS 26 ATEX 1 131 X **Revision 0**

(4) Equipment: Charge Amplifier, types 0330-CA-D-xxxx.x-Ex-Bxx-x-x and 0337-ENC-02-I03-Ex-B0x-x

(5) Manufacturer: IfTA Ingenieurbüro für Thermoakustik GmbH

(6) Address: Junkersstrasse 8
82178 Puchheim
Germany

(7) This equipment and any acceptable variation thereto are specified in the annex to this Certificate of Conformity and the documentation therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH certifies based on a voluntary assessment that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive 2014/34/EU. The examination and test results are recorded in the confidential documentation under the reference number 13TH0249_03.

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

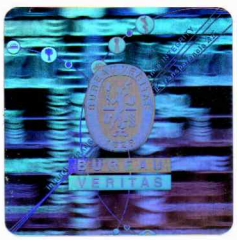
EN IEC 60079-0:2018	**EN 60079-7:2015,** **EN IEC 60079-7:2015/A1:2018**	**EN 60079-11:2012** **IEC 60079-11:2023**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions of use specified in the annex to this certificate.

(11) This Certificate of Conformity relates only to the design and the construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.

(12) The marking of the equipment shall include the following:

II 3 (3) G Ex ec [ic] IIC T5 Gc



Certification department of explosion protection

Dr. Rainer Jany

Tuerkheim, 2026-07-15

ZERTIFIZIERUNGSSTELLE BUREAU VERITAS Bureau Veritas CPS Germany GmbH 1828

Certificates without signature and seal are void. This certificate is allowed to be distributed only if not modified. Extracts or modifications must be authorized by Bureau Veritas Consumer Products Services Germany GmbH.

(13) # Annex

(14) **Certificate of Conformity EPS 26 ATEX 1 131 X** **Revision 0**

(15) Description of equipment:

The product is a charge amplifier to convert dynamic charge signals into a voltage signal for further analysis. It is usable for a wide range of sensor types and an essential part of the IfTA measurement setup.

The Charge Amplifier is available in three versions:

a) Model 0330-CA-D-xxxx.x-Ex, 0330-CA-D-xxxx.x-Ex-B00-x-x and 0330-CA-D-xxxx.x-Ex-B02-x-x are provided with functional enclosure only and are intended for built-in use, enclosure must be provided by the installation

b) Model 0330-CA-D-xxxx.x-Ex-B03-x-x is provided with a plastic enclosure

c) Model 0337-ENC-02-I03-Ex-B07-x is provided with a metal enclosure

Product Key	Module	Sensor Type	Amplification	Environment	Housing / Installation	Design		Options
0330	CA	S	0005.0	St	B00	D	Default	A
		D	0010.0	Ex	B01	C	Custom	B ZZ
			0025.0		B02	P	Prototype	
			0050.0		B03			
			0100.0					
			0250.0					
			0000.5					
			0002.9					
			0052.6					
			0080.7					

Sensor Type		Amplification		Environment	
S	Single ended	0005.0	5 mV/pC	St	Standard
D	Differential	0010.0	10 mV/pC	Ex	Explosive Ex
		0025.0	25 mV/pC		
		0050.0	50 mV/pC		
		0100.0	100 mV/pC		
		0250.0	250 mV/pC		
		0000.5	0.5 mV/pC		
		0002.9	2.941 mV/pC		
		0052.6	52.63 mV/pC		
		0080.7	80.65 mV/pC		

Housing / Installation		Options	
B00	Wall mounting	A	High pass filter and increased input range Frequency range 100 Hz 40 000 Hz (-3 db) Valid input ranges ±200 ±10 000 pC
B01	With industrial Housing	B ZZ	Spare
B02	DIN rail (TS35)		
B03	With industrial Housing for Ex [ic]		

Product Key	Module	Dimensions	Interface	Environment	Housing	Design		Options
□□□□	□□□	□□	□□□	□□	□□□	□		□□
0337	ENC	02	I03	Ex	B03	D	Default	A - ZZ Spare
					B04	C	Custom	
					B07	P	Prototype	
					B08			
					B09			

Dimensions		Interface		Housing	
02	300x300x150mm	I03	8x 3-6mm & 8x 5-10mm M16 stuffing glands	B03	Stainless steel 316L
				B04	Steel RAL7035
				B07	Steel RAL7035 for Ex [ic]
				B08	Steel RAL7035 for NEC505
				B09	Steel RAL7035 for KC

Electrical data:

Input Voltage: 20 – 28 Vdc
Max. current: 8 – 12 mA

(16) Reference number: 13TH0249_03

(17) Special conditions of use:

For product 0330 without enclosure "B00" or "B02":
The equipment must be installed in an enclosure that provides a degree of protection not less than IP 54 in accordance with IEC 60079-0.

For product 0330 with enclosure "B03" and product 0337 with enclosure "B07":
Equipment for fixed installations where the installation is intended to minimize the risk from electrostatic discharge (refer to instructions).

For product 0337 with enclosure "B07":
A protective conductor must be connected to the Enclosure (refer to instructions).

The sensor input is designed for intrinsic safety. (Only passive sensors may be installed).
Uo: 2.2 V
Io: 22 mA
Po: 25 mW
Co: 19 µF
Lo: 9 mH

Ambient Temperature: -20 °C ≤ T_{amb} ≤ +75 °C

Certificate of Conformity EPS 26 ATEX 1 131 X **Revision 0**

(18) Essential health and safety requirements:

Met by compliance with standards.

Certification department of explosion protection Tuerkheim, 2026-07-15

Dr. Rainer Jany