



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEX SEV 14.0008	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 3	Issue 2 (2021-03-25)
Date of Issue:	2023-12-08		Issue 1 (2017-03-30)
Applicant:	Endress+Hauser SE+Co. KG Hauptstraße 1 79689 Maulburg Germany		Issue 0 (2014-09-17)
Equipment:	Pressure Transducer, Type Cerabar PMC21, PMP21, PMP23		
Optional accessory:			
Type of Protection:	ia		
Marking:	Ex ia IIC T4 Ga/Gb Ex ia IIC T4 Gb		

Approved for issue on behalf of the IECEx
Certification Body:

Munira Gamma

Position:

Manager Product Certification

Signature:
(for printed version)

Date:
(for printed version)

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 www.iecex.com or use of this QR Code.



Certificate issued by:

Eurofins Electric & Electronic Product Testing AG
Luppenstrasse 3
8320 FEHRALTORF .
Switzerland



E&E



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Manufacturer: **Endress+Hauser SE+Co. KG**
Hauptstraße 1
79689 Maulburg
Germany

Manufacturing
locations:

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 equipment 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 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

[IEC 60079-26:2021](#) Explosive atmospheres - Part 26: Equipment with Separation Elements or combined Levels of Protection
Edition:4.0

This Certificate **does not** indicate compliance with 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:

[CH/SEV/ExTR14.0010/03](#)

Quality Assessment Report:

[DE/TUN/QAR06.0003/10](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Pressure transducer
Cerabar PMC21
Cerabar PMP21
Cerabar PMP23

Intrinsically safe pressure transmitter Cerabar type PMC21, type PMP21 and type PMP23 is used in potentially explosive atmospheres of flammable gases, liquids or vapours, for pressure measurement. Depending on the measurement principle (relative or absolute) a pressure compensating element is mounted at the enclosure. The sensors are metal types PMP21, PMP23 or ceramic types PMC21. The measured signal is converted into 4-20 mA output signal. Connection of pressure transmitters is via permanently connected cable with different lengths, or valve connection, or a plug.

Ratings: $U_i = 30 \text{ V}$, $I_i = 100 \text{ mA}$, $P_i = 0.8 \text{ W}$, $C_i = 11.61 \text{ nF}$, $L_i = 0$

Ambient temperature range: $-50 \text{ }^\circ\text{C}$ to $+70 \text{ }^\circ\text{C}$.

Process temperature depending on type of pressure transmitter:

Transmitter type	Process temperature
Type PMC21	$-25 \text{ }^\circ\text{C}$ to $100 \text{ }^\circ\text{C}$
Type PMP21	$-40 \text{ }^\circ\text{C}$ to $100 \text{ }^\circ\text{C}$
Type PMP23	$-10 \text{ }^\circ\text{C}$ to $100 \text{ }^\circ\text{C}$

The above defined process temperatures are referring to the temperature at the sensor diaphragm.

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Standard update IEC 60079-26:2014 Edition 3.0 to IEC 60079-26:2021 Edition 4.0.