



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 KEM 09.0017** Page 1 of 5 Certificate history:
Status: **Current** Issue No: 3 [Issue 2 \(2016-06-09\)](#)
Date of Issue: 2021-02-24 [Issue 1 \(2010-12-14\)](#)
[Issue 0 \(2009-05-22\)](#)
Applicant: **Endress+Hauser SE+Co. KG**
Hauptstraße 1
79689 Maulburg
Germany
Equipment: **Pressure transmitter Deltabar M Type PMD55 and Cerabar M Type PMP51 and Type PMP55**
Optional accessory:
Type of Protection: **Ex d**
Marking: **Ex db IIC T6 or T4 Gb**

Approved for issue on behalf of the IECEx
Certification Body:

L.G. van Schie

Position:

Certification Manager

Signature:
(for printed version)

Date:

2021-02-24

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:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands





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

Additional
manufacturing
locations:

See following pages for more 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 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

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:

[NL/KEM/ExTR09.0023/03](#)

Quality Assessment Report:

[DE/TUN/QAR06.0003/08](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Description

Pressure Transmitter, Series Deltabar M, type PMD55 is used to convert a differential pressure into an electric signal.

Pressure Transmitter, Series Cerabar M, type PMP51 and type PMP55 to convert an absolute or gauge pressure into an electric signal.

The transmitters consist of an enclosure with electronics and a sensor module.

The aluminium enclosure is provided with a blind cover or a window cover.

The electronics of the transmitters provide a 4 - 20mA HART, 4 - 20 mA analogue, Profibus PA or Foundation Fieldbus output signal and are optionally provided with a display.

The sensor module varies and defines the transmitter types.

Type designation

Refer to Annex 1 to NL/KEM/ExTR01.0023/03

Electrical data

Supply voltage:

45 Vdc max (4 - 20 mA, HART)

32 Vdc max (PA/FF)

Power dissipation:

1.1 W max (4 - 20 mA, HART)

1.25 W max (PA/FF)

Thermal data

Temperature specifications:

Temperature class	Process temperature*		Ambient temperature	
	Min.	Max.	Min.	Max.
	°C	°C	°C	°C
T6	-50	+80	-50	+75
T4	-50	+120	-50	+75

*Measured at the membrane.

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Name of the applicant changed.

Assessment per latest issue for both standards.



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Additional manufacturing locations:

**Endress+Hauser (India) Automation
Instrumentation Pvt. Ltd.**
M-192, Waluj MIDC, Aurangabad - 431 136
Maharashtra State
India

Endress+Hauser Yamanashi Co., Ltd
862-1 Mitsukunugi Sakaigawa-cho
Fuefuki-shi Yamanashi Pref. 406-0846
Japan

**Endress+Hauser (Suzhou) Automation
Instrumentation Co. Ltd.**
China – Singapore Industrial Park (SIP)
Su-Hong-Zhong-Lu, No. 491
Jiangsu Province, 215021 Suzhou
China

Endress+Hauser (USA)
Automation Instrumentation Inc.
2340 Endress Place
Greenwood, Indiana 46143
United States of America

**Endress+Hauser (Brasil) Instrumentação e
Aut.Ltda.**
Estrada Municipal Antonio Sesti
600 Bairro Recreio Costa Verde
Itatiba, SP - 13254-085
Brazil

Annex:

[224591400-Annex 1.pdf](#)