



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 17.0009	Page 1 of 4	Certificate history: Issue 0 (2017-10-30)
Status:	Current	Issue No: 1	
Date of Issue:	2022-06-28		
Applicant:	Huber Instrumente AG Grellingerstrasse 23 4208 Nunningen Switzerland		
Equipment:	Digital Manometer HM35.02.**.**.**		
Optional accessory:	---		
Type of Protection:	"i"		
Marking:	Ex ia IIC T4...T3 Gb		

Approved for issue on behalf of the IECEX
Certification Body:

Patrick Gutensohn

Position:

Manager Product Certification

Signature:
(for printed version)

Date:
(for printed version)


2022-06-28

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: **Huber Instrumente AG**
Grellingerstrasse 23
4208 Nunningen
Switzerland

Manufacturing
locations: **Huber Instrumente AG**
Grellingerstrasse 23
4208 Nunningen
Switzerland

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

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/ExTR17.0009/01

Quality Assessment Report:

CH/SEV/QAR17.0012/01



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

General product information:

The HM35 digital pressure gauge is a pressure-measuring instrument with an integrated pressure sensor for the measurement of differential, relative or absolute pressures and vacuum. Its versatile range of functions and high precision render it suitable for a wide range of applications. Via the infrared interface (IR) and SCPI (Standard Commands for Programmable Instruments) commands, the HM35 can communicate with a PC. Its operation is very simple, and supports the user in his measurement tasks.

The explosion-proof version is designed as a test and measuring instrument for temporary use within the process, and is certified for Ex ia IIC T4...T3 Gb (Zone1).

Its correct usage does not include permanent or long-term measurement without supervision.

Ratings:

Classification of installation and use: hand-held
Ingress protection: IP20
Rated ambient temperature range (°C): $0\text{ °C} \leq T_{amb} \leq +50\text{ °C}$

Batteries (Alkaline - MnO ₂)	Voltage (U)	Temperature classification
3 x DURACELL INDUSTRIAL; LR6 / AA / ID1500	4.5 V (3 x 1.5 V)	T4
3 x GP Greencell; AA (R6) UM-3/1,5V	4.5 V (3 x 1.5 V)	T4
3 x VARTA; LR6 AA AM3 MM1500	4.5 V (3 x 1.5 V)	T3
3x Energizier; Industrial Alkaline AA, EN91, HP7, AM3, MIGNON, MN1500	4.5 V (3 x 1.5 V)	T3
3x Energizier; MAX, AA	4.5 V (3 x 1.5 V)	T3

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1:

Update from IEC 60079-0:2011 Ed. 6.0 to IEC 60079-0:2017 Ed. 7.0

New battery types are added

IEC 60079-28 is removed from marking and certificate