



# 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 SEV 17.0009 Issue No: 0 Certificate history:  
Issue No. 0 (2017-10-30)

Status: Current Page 1 of 3

Date of Issue: 2017-10-30

Applicant: Huber Instrumente AG  
Grellingerstrasse 23  
4208 Nunningen  
Switzerland

Equipment: Digital Manometer HM35.02.\*\*\*\*.\*\*  
Optional accessory:

Type of Protection: "I", "op"

Marking: Ex ia op is IIC T4...T3 Gb

Approved for issue on behalf of the IECEx  
Certification Body:

Martin Plüss

Position:

Manager Product Certification

Signature:  
(for printed version)

Date:

2017-10-30

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.

Certificate issued by:

Eurofins Electrosuisse Product Testing AG  
Luppenstrasse 1  
CH-8320 FEHRALTORF  
Switzerland



Electrosuisse  
Product Testing



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Manufacturer: Huber Instrumente AG  
Grellingerstrasse 23  
4208 Nunningen  
Switzerland

Additional 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 : 2011<br>Edition:6.0  | Explosive atmospheres - Part 0: General requirements  |
| IEC 60079-11 : 2011<br>Edition:6.0 | Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"                             |
| IEC 60079-28 : 2015<br>Edition:2   | Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation |

*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:

CH/SEV/ExTR17.0009/00

### Quality Assessment Report:

CH/SEV/QAR17.0012/00



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## Schedule

### EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Digital Manometer HM35.02.\*\*\*\*.\*\*

#### 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 is op IIC T4...T3 Gb (Zone1).

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

|   |                      |
|---|----------------------|
| Classification of installation and use: | hand-held            |
| Ingress protection:                     | IP20                 |
| Rated ambient temperature range (°C)    | 0 °C ≤ Tamb ≤ +50 °C |

#### Rating:

| Batteries (Alkaline - MnO <sub>2</sub> )   | Voltage (U)       | Temperature classification |
|--|-------------------|----------------------------|
| 3 x DURACELL INDUSTRIAL; LR6 / AA / ID1500 | 4.5 V (3 x 1.5 V) | T4                         |

SPECIFIC CONDITIONS OF USE: NO