



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 25.0018X	Page 1 of 3	<u>Certificate history:</u>
Status:	Current	Issue No: 0	
Date of Issue:	2026-02-03		
Applicant:	JUMO GmbH & Co KG Moritz-Juchheim-Straße 1, 36039 Fulda Germany		
Equipment:	High Pressure Sensor JUMO TAROS H48 Ex (Type 404740)		
Optional accessory:			
Type of Protection:	ib		
Marking:	Ex ib IIC T6...T4 Gb Ex ib IIIC T85 °C...T135 °C Db		

Approved for issue on behalf of the IECEx
Certification Body:

Urban Strebel

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: **JUMO GmbH & Co KG**
Moritz-Juchheim-Straße 1, 36039 Fulda
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 60079-11:2023](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
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:

[CH/SEV/ExTR25.0019/00](#)

Quality Assessment Report:

[DE/EPS/QAR23.0003/02](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The pressure transmitter measures the relative pressure of liquid, vapor, and gaseous media. The device is suitable for installation in pipelines and containers. It can also be used in applications requiring explosion protection or in shipbuilding. Installation is carried out via individual process connections.

The device meets the requirements of Explosion Group II for categories 2 G and 2 D when connected to intrinsically safe circuits. For this purpose, a certified intrinsically safe [Ex i] transmitter power supply must be used.

Function:

The device measures the relative process pressure in liquid or gaseous media. The process pressure acts via a membrane on a metallic thin-film sensor and deforms its substrate. This deformation changes the electrical resistance of the material. This change in resistance is proportional to the mechanical deformation and thus to the applied pressure. The measured pressure is converted into a 4 to 20 mA standard signal and output via various electrical connections.

Rating:

$U_i \leq 28 \text{ V}$; $I_i \leq 115 \text{ mA}$; $P_i \leq 750 \text{ mW}$; $C_i \leq 40 \text{ nF}$; $L_i \leq 1.5 \text{ }\mu\text{H}$

SPECIFIC CONDITIONS OF USE: YES as shown below:

Equipment Protection Level Gb:

Permissible Ambient and Process Temperature:

T4: -40 °C to +85 °C

T5: -40 °C to +70 °C

T6: -40 °C to +55 °C

Equipment Protection Level Db:

Permissible Ambient and Process Temperature:

T135 °C: -40 °C to +85 °C

T100 °C: -40 °C to +70 °C

T85 °C : -40 °C to +55 °C