



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 TUR 24.0015** Page 1 of 4 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2024-04-30

Applicant: **HIMA Paul Hildebrandt GmbH**
Albert-Bassermann-Str. 28
68782 Brühl
Germany

Equipment: **H 6200A / HART - isolating amplifier Si, (Ex)i**

Optional accessory:

Type of Protection: **Intrinsic Safety, associated apparatus**

Marking: **[Ex ia Ga] IIB/IIC**
[Ex ia Da] IIIC

Approved for issue on behalf of the IECEx
Certification Body:

Christian Mehrhoff

Position:

Assigned certifier

Signature:
(for printed version)

2024-04-30

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:

TUV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Cologne
Germany





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Manufacturer: **HIMA Paul Hildebrandt GmbH**
Albert-Bassermann-Str. 28
68782 Brühl
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

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:

[DE/TUR/ExTR24.0015/00](#)

Quality Assessment Report:

[DE/TUR/QAR24.0006/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The electronic device "H 6200A / HART - isolating amplifier Si, (Ex)I" is a single isolating amplifier with a transmitter circuit (transmitter circuit and test circuit). It is designed as a terminal module.

SPECIFIC CONDITIONS OF USE: NO



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Equipment (continued):

IS parameters: see attachment.

Annex:

[DE-IECEX_TUR_24.0015_00_Attach rev 01.pdf](#)



Device: HART - isolating amplifier Si, (Ex)i
Type: H 6200A

Manufacturer: HIMA Paul Hildebrandt GmbH

Address: Albert-Bassermann-Str. 28
68782 Brühl
Germany

Technical data:

Power supply:
24V DC (20 ... 30 V) $U_m \leq 250$ V AC / 125 V DC
Terminals +: 1, 2 (L+); 7, 8 (L-)

Intrinsic safe output circuits:

3-wire-transmitter (terminals 19, 20 and 21)	2-wire-transmitter (terminals 19 and 21)	Test circuit (terminals 20 and 21)
$U_{o1} = 27.9$ V	$U_{o1} = 27.9$ V	$U_{o1} = 6.0$ V
$I_{o1} = 107.7$ mA	$I_{o1} = 91.9$ mA	$I_{o1} = 2.25$ mA
$P_{o1} = 752$ mW	$P_{o1} = 641$ mW	$P_{o1} = 3.4$ mW
Linear output	Linear output	Linear output

The maximum permissible values of the external capacitance and inductance are shown in the following table. The table is valid if capacitance **or** inductance is connected:

IIB / IIIC					
3-wire-transmitter (terminals 19, 20 and 21)		2-wire-transmitter (terminals 19 and 21)		Test circuit (terminals 20 and 21)	
L_o	C_o	L_o	C_o	L_o	C_o
9 mH	654 nF	13 mH	654 nF	1 H	1000 uF

IIC					
3-wire-transmitter (terminals 19, 20 and 21)		2-wire-transmitter (terminals 19 and 21)		Test circuit (terminals 20 and 21)	
L_o	C_o	L_o	C_o	L_o	C_o
1.2 mH	84 nF	2 mH	84 nF	1 H	40 uF

The maximum permissible values of mixed external capacitance and inductance are shown in the following table. The table is valid if capacitance **and** inductance are connected:

IIB / IIIC					
3-wire-transmitter (terminals 19, 20 and 21)		2-wire-transmitter (terminals 19 and 21)		Test circuit (terminals 20 and 21)	
L_o	C_o	L_o	C_o	L_o	C_o
9 mH	240 nF	10 mH	250 nF	100 mH	7.1 uF

IIC					
3-wire-transmitter (terminals 19, 20 and 21)		2-wire-transmitter (terminals 19 and 21)		Test circuit (terminals 20 and 21)	
L_o	C_o	L_o	C_o	L_o	C_o
0.16 mH	83 nF	1 mH	49 nF	100 mH	1.5 uF

Ambient temperature range:
-25°C to +60°C