



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 BVS 19.0015** Page 1 of 4 [Certificate history:](#)
Issue 0 (2019-04-30)

Status: **Current** Issue No: 1

Date of Issue: 2021-05-26

Applicant: **Nova Smar S/A**
Av. Dr. Antonio Furlan Jr. 1028
14170-480 Sertaozinho-SP
Brazil

Equipment: **Pressure Transmitter type LD 301 ****_****_***_* / LD290 ***_**_** / LD291 ***_**_*****

Optional accessory:

Type of Protection: **Intrinsic Safety "i", Equipment Protection Level (EPL) Ga**

Marking: **Ex ia IIC T4/T5/T6 Ga/Gb / Ex ia I Ma**

Approved for issue on behalf of the IECEx
Certification Body:

Jörg Koch

Position:

Head of Certification Body

Signature:
(for printed version)

Date:

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 Testing and Certification GmbH
Certification Body
Dinnendahlstrasse 9
44809 Bochum
Germany

 **DEKRA**
On the safe side.



IECEX Certificate of Conformity

Certificate No.: **IECEX BVS 19.0015**

Page 2 of 4

Date of issue: 2021-05-26

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Manufacturer: **Nova Smar S/A**
Av. Dr. Antonio Furlan Jr. 1028
14170-480 Sertaozinho-SP
Brazil

Additional manufacturing locations: **Baldota Control and Equipment Pvt. Ltd.**
R-895, MIDC Rabale
Navi Mumbai
Maharashtra IN-400 701
India

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

IEC 60079-26:2014-10 Explosive atmospheres – Part 26: Equipment with Equipment Protection Level (EPL) Ga
Edition:3.0

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/BVS/ExTR19.0025/00](#)

Quality Assessment Report:

[NO/NEM/QAR08.0006/08](#)



IECEX Certificate of Conformity

Certificate No.: **IECEX BVS 19.0015**

Page 3 of 4

Date of issue: 2021-05-26

Issue No: 1

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Description

The Pressure Transmitter type LD301 ****-****-***-* / type LD29* ***-**-**, which serves for the transmission of pressure measuring data in certified intrinsically safe supply- and signal-circuits, comprises of a tubular light alloy or stainless steel enclosure, which contain printed circuit boards with electronic components closed by means of screwed caps.

Under one cover, being equipped with a window, optionally an LCD-display is arranged; under the other cover, terminals for the intrinsically safe supply- and signal-circuit are arranged.

A cable entry for the intrinsically safe 4 - 20 mA current loop circuit is mounted in the wall of the enclosure.

The wall of the enclosure is flanged to a cast steel enclosure, which contains a mechanical pressure gauge and printed circuit boards with electronic components, embedded in casting compound.

Operating temperature range for Pressure Transmitters equipped with LCD display:

$-10\text{ °C} \leq T_a \leq +60\text{ °C}$

Operating temperature range for Pressure Transmitters without LCD display:

$-40\text{ °C} \leq T_a \leq +85\text{ °C}$

Listing of all components used referring to older standards: Not applicable

Type Code

See Annex

Parameters

See Annex

SPECIFIC CONDITIONS OF USE: NO



IECEX Certificate of Conformity

Certificate No.: **IECEX BVS 19.0015**

Page 4 of 4

Date of issue: 2021-05-26

Issue No: 1

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Introduction of an additional manufacturing location, no technical changes were made.