



[1]

EU-TYPE EXAMINATION CERTIFICATE

[2]

**Component intended for use in potentially explosive atmospheres
Directive 2014/34/EU – Annex III**

[3]

Certificate Number: **EPT 18 ATEX 3039 U** Issue 0

[4]

Component: **Pressure transmitter**

Type:

ATRD

[5]

Manufacturer: **DVG AUTOMATION S.p.A.**

[6]

Address: **Via G. Rossetti, 2 – 29016 Cortemaggiore (PC) - Italia**

[7]

This component and its accepted variations are specified in the annex to this Certificate.

[8]

Eurofins Product Testing Italy S.r.l., Notified Body n. 0477 in accordance with Article 21 of the Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II of the Directive.

The examination and test results are recorded in the confidential Report N° EPT.18.REL.01/56578.

[9]

Compliance with the essential health and safety requirements is assured through the verification of them and by compliance with the standards:

EN 60079-0:2012+A11:2013, EN 60079-1:2014; EN 60079-31:2014

[10]


The symbol "U" placed after the certificate's number indicates that this certificate must not be understood as a certificate for equipment or protective systems.
This certificate may be used as a basis for a certificate for the equipment or protective system.

[11]

This EU-TYPE EXAMINATION CERTIFICATE relates only to the design, the exam and the tests of the specified component.

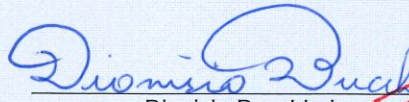
Further requirements of the Directive 2014/34/EU apply to the manufacture and supply of this component. These requirements are not object of this Certificate.

[12]

The component shall include the sign  and the following string:

II 2GD**Ex db IIC Gb****Ex tb IIIC Db**

Place and date of issue:

Torino, 2018-11-19

Dionisio Bucchieri
Directive Responsible



Paolo Trisoglio
Managing Director

**PRD N° 119B**

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

This Certificate has 3 pages and it is reproducible only in its entirety. Conditions of validity are reported below.



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ANNEX

[14]

EU-TYPE EXAMINATION CERTIFICATE N. EPT 18 ATEX 3039 U

Issue 0

[15] Component description

The pressure transmitters, series ATRD, are optional components of the already certified equipment "SDCU-20" (Smart Diagnostic Control Unit) and "ITVC" (Intelligent Total Valve Controller).

They are used to measure the pressure of oil or air inside the actuator cylinder on which the SDCU-20 or ITVC are installed.

The components have to be screwed into a cable entry of ITVC or SDCU-20 enclosure and they are powered by the ITVC or SDCU-20 electronics.

The components are suitable for of gas group IIC and dust group IIIC and have the types of protection "Ex db" and "Ex tb".

The component body is made of stainless steel AISI 316.

Thread type: M27x1.5 (for the connection to "SDCU-20" or "ITVC").

Thread type: 1/8" NPT (connection for pressure measurement of the process fluid).

The component is suitable for processes classified as safe zone.

Identification

Model	Pressure range
ATRD01XA001	From 0 to 16 bar
ATRD01XA003	From 0 to 250 bar
ATRD01XA004	From 0 to 400 bar

Electrical characteristics

Supply voltage : 12 or 24 Vdc

Output current: from 4 to 20 mA

Degree of protection: IP66 / IP68 (1m 1 hour)

Cable entries

Not present

Screws

Not present

Warning label

Not present

Routine tests

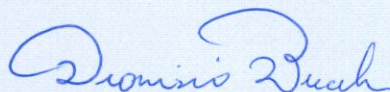
N/A

[16] Assessment Report n° EPT.18.REL.01/56578

This EU-Type Examination Certificate is released after the positive result of the conformity assessment of the Council Directive 2014/34/EU and to harmonized technical standards listed in this Certificate; performed by the Notified Body Eurofins Product Testing Italy S.r.l., and reported in the Assessment Report cited above.


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Directive Responsible

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ANNEX

[14]

EU-TYPE EXAMINATION CERTIFICATE N. EPT 18 ATEX 3039 U Issue 0

[17] Schedule of limitations

- The pressure transmitters, series ATRD, have to be used only with the already certified equipment "SDCU-20" (Smart Diagnostic Control Unit) and "ITVC" (Intelligent Total Valve Controller).
- The permitted service temperature is included between -40°C and +97°C; when used in an ambient with a temperature not greater than +85°C, the limit for the maximum service temperature is respected.
- When supplied at 24V 22mA (with a resistive load of 250Ω) and rated pressure, the maximum increase of temperature on the external surface is 3 K.
- Thermal tests and evaluations refer to a maximum internal temperature of the associated enclosure and/or ambient/process of 85°C.
- During installation, the user has to ensure that there is electrical continuity between the equipment and the enclosure that has to be correctly grounded.
- Flameproof joints cannot be repaired.
- The component is suitable for processes classified as safe zone.
- The component has been tested according to clause 15.2.3 of EN 60079-1 at a pressure of 44 bar, therefore it can be installed in an enclosure with a Pref value of 11 bar or lower.

[18] Essential Health and Safety Requirements

Assured by compliance with harmonized standards.

[19] Descriptive documents

The component object of this Certificate is described by the following documents.
Scheduled documents are indicated with the symbol "✓". They cannot be modified without the explicit authorization of the Notified Body.

Document	Name	Rev.	D te	Scheduled
Technical note	Trasm-pres	01	2018-10-02	✓
Instruction for resin process	Pres-tr-resin	00	2018-10-02	✓
Safety instructions	IOM pressure transm	00	2018-10-09	✓

[20] Terms and conditions

The product liability rests with the Manufacturer, his representative or, in the absence of a representative, with the importer, in accordance with the General Product Safety Directive 2001/95/EC.

The following conditions may render this certificate invalid:

- changes in the design or construction of the product;
- changes or amendments to the 2014/34/EU Directive;
- changes or amendments in the standards which form the basis for documenting compliance with the essential requirements of the 2014/34/EU Directive.

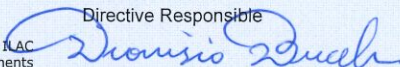
[21] Certificate History

This Certificate is at its first issue.


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 Directive Responsible



End of Certificate

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