

(1) **EU-Type Examination Certificate**
(2) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres**

Directive 2014/34/EU

(3) EU – Type Examination Certificate Number: **IEP 18 ATEX 0583 X**

(4) Product: **Pressure Transmitter, Type DG1300**

(5) Firm Name: **Shenzen Maxonic Automotion Control Co. Ltd. Senex Branch**

(6) Firm Address: **Room 102, Building 2, No:600 Guangshan 2nd Rd, Tianhe District, Guangzhou, Guangdong, 510520, CHINA**

(7) This product any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive. The examination and test results are recorded in confidential Report Nr: IEP.Rp.Ex.10- 1250 date 12.03.2018.

(9) Compliance with Essential Health and safety requirements has been assured by compliance with ;

EN 60079-0: 2013 , EN 60079-11: 2012

(10) If the sign “ X “ is placed after the certificate number, it indicates that the product is subject to Specified Conditions of Safe Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the directive 2014/34/EU. Further requirements of the directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include the following:



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Responsible Person :

Nurettin Terzioglu
Head of Certification Body

Date of Issue : 29.03.2018





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(13) Schedule

(14) Certificate Nr: IEP 18 ATEX 0583 X

(15) Description of Equipment;

15.1 Description;

The device is used as a pressure transmitter. The device converts non electrical process variable, which is pressure, into electrical 4 ... 20 mA output signal.

DG1300 type pressure transmitter is of device to use for detection and metering the pressure. Pressure transmitter is used in petroleum, chemical industry. The pressure transmitter outer body and measurement probe is made of stainless steel.

DG1300 type pressure transmitter works with certified suitable barrier power supply. Output current values are between 4-20 mA and max voltage 24V DC. Device is used in zone 1, probe is used in zone 0.

X means : Pressure transmitter must be use intrinsically safe circuit zener barrier . The zener barrier specifications must be suitable according to the IIC gas group.

15.2 Electrical data;

Barrier Power Supply: ia type of protection intrinsic safety Ex, only for connection to a certified intrinsically safe power supply, with following maximum values:

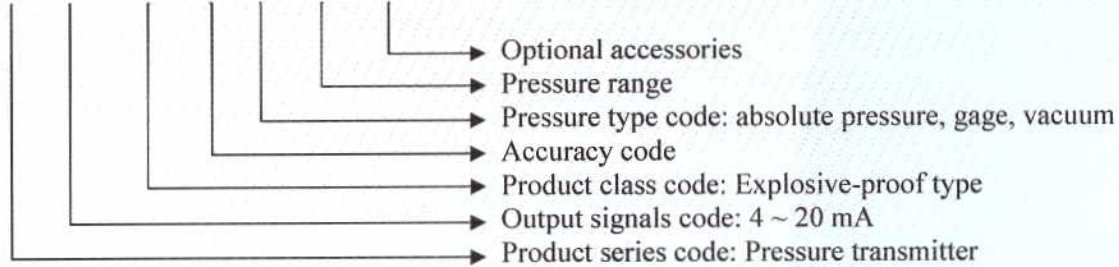
$$U_i = 28 \text{ VDC}, I_i = 93 \text{ mA}, P_i = 0,65 \text{ W}, L_i = 0,1 \text{ mH}, C_i = 0,04 \text{ }\mu\text{F}$$

Technical Parameters

Type	: DG1300
Progress connection	: M20x1,5 , M12x1 , G ¼ , G ½ male connector
Output signal	: 4 ~ 20 mA
Supply voltage	: 9 ~ 36 V DC
Ambient temperature	: -40 °C ~ +60 °C

Product Code System

DG 1300 - XX - X - X - XX / XX



Responsible Person :

Nurettin Terzioglu
Head of Certification Body



IEP Uluslararası Enerji Petrol Güzetim, Sertifikasyon ve Teknik Hizmetler Organizasyon Ticaret Limited Sirketi
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(16) Certificate Nr: IEP 18 ATEX 0583 X

(17) Essential Health and Safety Requirements:

17.1 Are included in standards, which are mentioned in clause (9) of this certificate. The products were approved in accordance with above mentioned standards and manufacturer's instruction.

17.2 At the installation and the operation of the pressure transmitter has to be observed manufacturer's manual 3 pages dated 10.12.2017.

(18) List of Documentation:

- ◆ Pressure transmitter user manual : 3 pages, dated 10.12.2017
- ◆ Equipment list : 1 page 15.06.2017
- ◆ Drawings;

Drawing Nr	Drawing Name	Date
GE – 001	Assembly drawing	23.11.2017
GE – 002	Assembly drawing	23.11.2017
GE – 003	Outline drawing	23.11.2017
GE – 004	Insulation tube	23.11.2017
GE – 005	Strain gauge	23.11.2017
GE – 101	Process connection	23.11.2017
GE – 201	Outer tube	23.11.2017
GE – 301	Cable protective connector	23.11.2017
GE – 401	Cable clamp	23.11.2017
GE – 501	Circuit diagram	23.11.2017
GE – 502	PCB layout	23.11.2017
GE – 502	Welding drawing	23.11.2017
GE – 701	Sensor diaphragm	23.11.2017
GE – 901	Label	23.11.2017

For the validity of analysis type certificate, the parts that are used in pressure transmitter is confirmed in the equipment list date 15.06.2017.

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Head of Certification Body

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