

# CERTIFICATE

## (1) EU-Type Examination

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **KEMA 07ATEX0103 X** Issue Number: **5**

(4) Product: **Smart Pressure Transmitter, Series APT3100 and APT3200**

(5) Manufacturer: **DUON System Co., Ltd**

(6) Address: **298-29 Gongdan-ro, Gunpo-si, Gyeonggi-do, Republic of Korea**

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

(8) DEKRA Certification B.V., Notified Body number 0344 in accordance with Article 17 of Directive 2014/34/EU of the 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 test report number NL/DEK/ExTR15.0096/01.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0 : 2012 + A11**

**EN 60079-1 : 2007**

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of 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. 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 product shall include the following:



**II 2 G Ex d IIC T6...T4 Gb**

Date of certification: 11 November 2016

DEKRA Certification B.V.

L.G. van Schie  
Certification Manager



(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate KEMA 07ATEX0103 X**

Issue No. 5

(15) **Description**

Smart Pressure Transmitter, Series APT3100 and APT3200 measures the pressure of a process and converts it into an electrical 4 - 20 mA analog current signal with digital communication (HART protocol).

Ambient temperature range: -20 °C to +60 °C.  
Process temperature range: -20 °C to +85 °C for T6  
-20 °C to +100 °C for T5  
-20 °C to +130 °C for T4

For details about the type designation see Annex 1 to this certificate.

**Electrical data**

Supply: 11,9 to 42 Vdc  
Output: 4 - 20 mA

**Installation instructions**

The instructions provided with the equipment shall be followed in detail to assure safe operation.

(16) **Report Number**

NL/DEK/ExTR15.0096/01.

(17) **Specific conditions of use**

For information regarding the dimensions of the flameproof joints the manufacturer shall be contacted.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR15.0096/01.

(20) **Certificate history**

Issue 1	210841600	Initial certificate
Issue 2	211829100	Type APT3200 is introduced.
Issue 3	213999600	Assessed according to EN 60079-1:2007 The marking of APT3100 has been changed
Issue 4	510005700	Standard update from EN 60079-0 : 2006 to EN 60079-0 : 2012 + A11
Issue 5	219626500	Change of address, EC-Type to EU-Type