

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 09ATEX0188 X** Issue Number: **2**

(4) Product: **Temperature Transmitter Series ATT2100**

(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 211829100/2, issue 2.

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

EN 60079-0 : 2006

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

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 09ATEX0188 X**

Issue No. 2

(15) **Description**

The Temperature Transmitter Series ATT2100 measures the temperature 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: max. 75 °C for T6
 max. 90 °C for T5
 max. 130 °C for T4

Electrical data

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

Installation instructions

The instructions as provided by the manufacturer shall be followed in detail to assure safe operation of the equipment.

The cable glands and blanking elements shall be of a certified flameproof type, suitable for the conditions of use and correctly installed.

(16) **Report Number**

No. 211829100/2, issue 2.

(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 Test Report No. 211829100/2, issue 2.

(20) **Certificate history**

Issue 1	211829100	Initial certificate
Issue 2	219626500	change of address, EC-Type to EU-Type