

CERTIFICATE

(1) Type Examination

(2) Product intended for use in potentially explosive atmospheres - Directive 2014/34/EU

(3) Type Examination Certificate Number: **DEKRA 20ATEX0026 X** Issue Number: **0**

(4) Product: **Pressure / Level Transmitter Series 2000, Series 2000-SAN, Series 2000-Cable, Series 2000-SAN-Cable.**

(5) Manufacturer: **KLAY INSTRUMENTS B.V.**

(6) Address: **Nijverheidsweg 5, 7991 CZ Dwingeloo, The Netherlands**

(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., 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 Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

The examination and test results are recorded in confidential test report no. NL/DEK/ExTR14.0087/01.

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

EN IEC 60079-0 : 2018

EN 60079-7 : 2015/ A1 : 2018

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 Type Examination Certificate relates only to the design and construction of the specified product and not to the manufacturing process and its monitoring.

(12) The marking of the product shall include the following:



II 3 G Ex ec IIC T4 Gc

Date of certification: 16 March 2020

DEKRA Certification B.V.

R. Schuller
Certification Manager

(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 20ATEX0026 X**

Issue No. **0**

(15) **Description**

Pressure / Level Transmitter Series 2000, Series 2000-SAN, Series 2000-Cable, Series 2000-SAN-Cable, convert a pressure, level or temperature signal from a sensor into a 4 - 20 mA current signal with a superimposed digital signal (HART protocol).

The Series 2000-Cable and Series 2000-SAN-Cable have an extension cable between the sensor and amplifier with a maximum length of 100 m.

The relation between Transmitter Type and options, equipment category, ambient temperature range and process temperature range, is shown in the table below:

Transmitter Type and Options	Equipment category	Temperature range
Pressure / Level Transmitter Series 2000, Series 2000-SAN, Series 2000-Cable, Series 2000-SAN-Cable with closed covers, Option G180	II 3 G	Ambient temperature range -20 °C to +70 °C Process temperature range -20 °C to +100 °C

Electrical data

Pressure / Level Transmitter Series 2000, Series 2000-SAN, Series 2000-Cable and Series 2000-SAN-Cable:

Supply/output circuit (terminals 3 '-' and 4 '+'):

Nominal working voltage $U_N = 12 \dots 26.5$ Vdc, nominal current $I_N = 4 \dots 20$ mA and $P_N = 0,28$ W.

Installation instructions

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

(16) **Report Number**

No. NL/DEK/ExTR14.0087/01.

(17) **Specific conditions of use**

From safety point of view all signals are connected to earth.

For ambient temperature range see (15).

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

Covered by the standards listed at (9).

(13) **SCHEDULE**

(14) **to Type Examination Certificate DEKRA 20ATEX0026 X**

Issue No. **0**

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR14.0087/01.

(20) **Certificate history**

Issue 0 - 224395700 initial certificate