

Translation

EU-Type Examination Certificate

Device with a measuring function for explosion protection
Directive 2014/34/EU

EU-Type Examination Certificate Number: **BVS 17 ATEX G 001 X**

Product: **Touchpoint Plus**

Manufacturer: **Honeywell Analytics Asia Pacific Co., Ltd.**

Address: **7F SangAm IT Tower, 434 Worldcup Buk-ro, Mapo-gu, Seoul 03922,
South Korea**

This product and any acceptable variation thereto are specified in the annex to this certificate and the documents therein referred to.

DEKRA Testing and Certification GmbH, Notified Body number 0158, 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 the confidential test report PFG-no. 41300218P.

The Essential Health and Safety Requirements with respect to the measuring function for explosion protection are assured in consideration of:

EN 60079-29-1:2016

EN 60079-29-1:2007

EN 50271:2010

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the appendix to this certificate.

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.

The marking of the product shall include the following:



DEKRA Testing and Certification GmbH
Bochum, 2019-02-06

Signed: Kilisch
Managing Director



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15 Product description

15.1 Subject and type

Control unit Touchpoint Plus

15.2 Description

The control unit Touchpoint Plus, when operated with remote sensors of types sensepoint, sensepoint HT or sensepoint ppm or with transmitters with a 4-20 mA interface, is a fixed system for the measurement of flammable gases or vapours, of oxygen or of toxic gases. The control unit is intended for wall-mounting. The control unit is not suitable for use in potentially explosive atmospheres. The examination according to EN 60079-29-1:2007 relates to the operation with sensors sensepoint, sensepoint HT or sensepoint ppm.

15.3 Parameters

not applicable

15.4 Measuring function for explosion protection

This EU-type examination certificate covers:

- Control unit Touchpoint Plus consisting of the following modules:
 - Main module, part no. 3011B0552, with software version 1.7.0
 - Expansion module, part no. 3011B0563, with software version 1.3.0
 - UI module, part no. 3011B0551, with software version 1.7.0
 - 8ch mA input module, part no. 3011B0553, with software version 1.3.0
 - 4ch mA input module, part no. 3011B0569, with software version 1.3.0
 - 2ch mA input module, part no. 3011B0567, with software version 1.3.0
 - 8ch mV input module, part no. 3011B0554, with software version 1.3.0
 - 4ch mV input module, part no. 3011B0570, with software version 1.3.0
 - 2ch mV input module, part no. 3011B0568, with software version 1.3.0
 - 2x4ch dual input module, part no. 3011B0556, with software version 1.3.0
 - 2x2ch dual input module, part no. 3011B0571, with software version 1.3.0
 - mA output module, part no. 3011B0555, with software version 1.3.0
 - Relay output module, part no. 3011B0556, with software version 1.3.0
- when operated with remote sensor type Sensepoint the measurement of hydrogen, propane, n-butane, ethylene, propylene, methane, butanone, 2-propanol, ethanol, methanol, ethyl acetate, 1,2-epoxypropane, toluene, p-xylene and unleaded petrol mixed with air in the measuring range 0 % LEL to 100 % LEL
- when operated with remote sensor type Sensepoint HT the measurement of methane, propane, n-butane, n-nonane and hydrogen mixed with air in the measuring range 0 % LEL to 100 % LEL
- when operated with remote sensor type Sensepoint ppm the measurement of methane and ethylene mixed with air in the measuring range 0 % LEL to 10 % LEL
- when operated with transmitters with a 4-20 mA interface (2-wire or 3-wire) the measurement of the flammable gases and vapours which are listed in the EC- or EU-type examination certificate of the transmitter
- use of the following outputs for safety relevant purposes:
 - 4-20 mA output for measured values
 - relays

- use of the following options and accessories:
 - Wall Mounting Bracket (part-no. TPPLOWMB)
 - AC Power Supply (part-no. RS-150-24)
 - Backup Battery Pack (part-no. TPPLOIBB)
 - SD card
 - Ethernet interface (Webserver)
 - RS485 Modbus RTU interface

The EU-type examination includes the following deviations from the operating conditions required by EN 60079-29-1:

- Extended range of temperature at operation: -10 °C to +55 °C

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17 Special Conditions for Use

- When using 4-20 mA transmitters, pay particular attention to the followings:
 - The specifications of the 4-20 mA interface
 - Behaviour with currents less than 4 mA
 - Behaviour with currents in excess of 20 mA
- Set the parameter "resolution" to 1 % of full scale range or to a smaller value.
- Full scale ranges up to 20 % LEL:
 - Do not set both parameters "Lower deadband" and "Gas Under range" to values below -10 % of full scale range.
 - Do not set the parameter "Gas Under range" to a value below -20 % of full scale range.
- Full scale ranges up above 20 % LEL:
 - Do not set the parameter "Gas Under range" to a value below -10 % of full scale range.
- Set the parameter "Upper deadband" to 5 % of full scale range or to a smaller value.
- Configure the alarms of all input channels as latching.
- Configure relay outputs for safety-related switching operations in such a way that they cannot be reset while the alarm condition is present.
- Time delayed relays should not be used for safety related purposes.
If their use is unavoidable, the relay delay time shall be set to the minimum value which is feasible for the required operation. Take the maximum possible rate of increase of gas concentration into account when determining the relay delay time.
- Transmission errors between modules cause a fault after 5 s at the latest.
- Do not use Touchpoint Plus with 4-20 mA transmitters which may give indications within their measuring range at gas concentrations above full scale.
- Perform the test routines for display, LED and buzzer in weekly intervals.
- Set the parameters "Inhibit Output Level", "Fault Output Level" and "Warning Output Level" of mA outputs to values outside the range 4 mA to 20 mA so that the output of such a current can be unambiguously distinguished from a measured value. Avoid settings between 3.5 mA und 20.5 mA.

18 Essential Health and Safety Requirements

The Essential Health and Safety Requirements with respect to the measuring function for explosion protection are covered by the standards listed under item 9.

19 Drawings and Documents

Drawings and documents are listed in the confidential test report.

We confirm the correctness of the translation from the German original.
In the case of arbitration only the German wording shall be valid and binding.

DEKRA Testing and Certification GmbH
Bochum, dated 2019-02-06



Managing Director