Translation

Type Examination Certificate

- Gas detectors -

PFG 16 G 002 X

Equipment: **Touchpoint Pro**

Manufacturer: **Honeywell Analytics Ltd.**

Address: **Poole, Dorset, BH17 0RZ, United Kingdom**

The certification body of DEKRA EXAM GmbH certifies that this equipment has been found to comply with the requirements of the standards

EN 50104:2010
EN 45544-1:2015
EN 45544-2:2015
EN 45544-3:2015
EN 50271:2010

with regard to the measuring function for

- oxygen (measurement of oxygen deficiency and enrichment) in the measuring range 0 - 25 %(v/v)
- toxic gases in the measuring range 0.08 % to 100 % of the upper limit of measurement of the used transmitter (apparatus according to EN 45544-2)
- toxic gases in the measuring range 0 % to 100 % of the upper limit of measurement of the used transmitter (apparatus according to EN 45544-3)

On the basis of DIN EN ISO/IEC 17065, this certification includes a type examination. The examination and test results and the design of the equipment are recorded in the test report PFG-Nr. 41300316P.

If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the annex to this certificate.

The manufacturer declares the conformity of the manufactured products with the certified design by marking them with the number of this type examination certificate.

DEKRA EXAM GmbH

Bochum, dated 2016-11-21

Signed: Koch

Certification body

Signed: Kiesewetter

Special services unit

This certificate may only be reproduced in its entirety and without change.

DEKRA EXAM GmbH, Dinnendahlstrasse 9, 44809 Bochum, Germany,
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Annex to

Type Examination Certificate

PFG 16 G 002 X

Description of the gas detector

The control unit Touchpoint Pro, when operated with transmitters with 4-20 mA interface, is a fixed system for the measurement of flammable gases or vapours mixed with air, of oxygen or of toxic gases. The control unit can be mounted in various enclosures or in 19" racks. The control unit is not suitable for use in potentially explosive atmospheres of zones 0 and 1. Several components can be used in zone 2; see type examination certificate Sira 15ATEX4034X.

Type of protection

not applicable

Special conditions for use

- When used as EN 45544-2 apparatus, Touchpoint Pro is suitable for use with transmitters where the output at the limit value is between 4.96 mA and 12 mA.
- When using 4-20 mA transmitters, pay particular attention to the following:
  - The specifications of the 4-20 mA interface
  - Behaviour with currents less than 4 mA
  - Behaviour with currents in excess of 20 mA
- For each channel, the alarm with the highest significance for safety shall be configured as Latching.
- Relay Outputs for safety-related switching operations must be configured as Alarm Update Enable not selected.
- Time delayed relays should not be used for safety related purposes.
  If their use is unavoidable, the delay time shall be set to the minimum possible for the required operation. The maximum possible rate of increase of gas concentration shall be taken into account when determining the delay time.
- All controls, including digital inputs, inputs from webserver and inputs from Modbus shall be protected against unauthorised or inadvertent interference or operation.
- When monitoring oxygen, the following configuration limits shall be observed:
  - The parameter "Under Range Fault Limit" or the parameter "Zero Suppression Negative" shall not be set below -2 %FSD.
  - The parameter "Zero Suppression Positive" shall not be set above +2 %FSD.
- When monitoring toxic gases, the following configuration limits shall be observed:
  - The parameter "Under Range Fault Limit" shall not be set below -10 %FSD.
  - The parameter "Zero Suppression Positive" shall not be set above the lower limit of measurement when used according to EN 45544-2.
  - The parameter "Zero Suppression Positive" should not be set above +5 %FSD when used according to EN 45544-3.

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Additional Information

- The measuring function of the equipment for flammable gases and for oxygen (measurement of inertisation) according to directive 2014/34/EU is subject of the EC-type examination certificate BVS 16 ATEX G 002 X.
- This type examination certificate covers:
  - Control unit Touchpoint Pro consisting of the following modules:
    - Control Centre Board, part-no. TPPR-V-2120, with software version 7.0.0.0
    - Redundant Control Centre Board, TPPR-V-2120, with software version 7.0.0.0
    - Communications Board, part-no. TPPR-P-2110, with software version 6.0.0.0
    - Local HMI, part-no. TPPR-V-0852, with software version 11.0.0.0
    - CM Motherboard, part-no. TPPR-P-2100
    - Bus Interface Board, part-no. TPPR-V-2130
    - Analogue Input Module mA, part-no. TPPR-V-1000, with software version 6.0.0.0
    - Analogue Input Module mV, part-no. TPPR-V-1010, with software version 6.0.0.0
    - Digital Input Module, part-no. TPPR-V-1030, with software version 6.0.0.0
    - Relay Output Module, part-no. TPPR-V-1040, with software version 6.0.0.0
    - Ring Coupling Module, part-no. TPPR-V-1050
    - Backplane 10 way, part-no. TPPR-P-0540
    - Backplane 9 way, part-no. TPPR-P-0530
    - Backplane 7 way, part-no. TPPR-P-0525
    - Backplane 5 way, part-no. TPPR-P-0520

    and software components:
    - Webserver with software version 7.0.0.0
    - Modbus with software version 4.0.0.0
    - Sensor Catalogue with software version 4.0.0.0
  - use of the following outputs for safety relevant purposes:
    - relays
  - use of the following accessories:
    - not applicable
- The type examination includes the following deviations from the operating conditions required by EN 45544-1 or EN 50104:
  - Extended range at the test Unpowered Storage: -40 °C to +65 °C
  - Extended range of temperature at operation: -40 °C to +70 °C (I/O modules)
    -20 °C to +55 °C (control module, wall mounted enclosure)
    -20 °C to +65 °C (control module, otherwise)

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 EXAM GmbH
44809 Bochum, 2016-11-21

Certification body

Special services unit

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