

Translation

Type Examination Certificate

- Gas detectors -

PFG 19 G 004 X

Equipment: Portable gas detectors types EX-TEC PM 400, EX-TEC PM 500, EX-TEC PM 550 and EX-TEC PM 580

Manufacturer: Hermann Sewerin GmbH

Address: Robert-Bosch-Straße 3, 33334 Gütersloh, Germany

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

EN 50104:2010

EN 50271:2018

with regard to the measuring function for

- oxygen (measurement of oxygen deficiency and enrichment) in the measuring range 0 - 25 % (v/v)

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. 41300519P.

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 Testing and Certification GmbH

Bochum, dated 2019-12-06

Signed: Kilisch

Managing Director

Appendix to

Type Examination Certificate

PFG 19 G 004 X

Description of the gas detector

The gas detection apparatus types EX-TEC PM 400, EX-TEC PM 500, EX-TEC PM 550 and EX-TEC PM 580 are portable equipment for the measurement of flammable gases and vapours mixed with air, of oxygen and of toxic gases. The apparatus can be equipped with up to 4 sensors. It is not necessary that all sensors are equipped. A battery pack integrated into the enclosure serves as power supply.

Type of protection


see TÜV 17 ATEX 171969 X

Special conditions for use

- Do not de-activate the confidence signal.

Additional Information

- The measuring function of the equipment for flammable gases according to directive 2014/34/EU is subject of the EU-type examination certificate BVS 19 ATEX G 002 X.
- This type examination certificate covers:
 - equipment of types EX-TEC PM 400, EX-TEC PM 500, EX-TEC PM 550 and EX-TEC PM 580 with software versions 1.007 (main processor) and 1.000 (sensor processor)
 - measurement of oxygen (measurement of oxygen deficiency and enrichment) in the measuring range 0 - 25 % (v/v) in operating mode "Warning" with the electrochemical sensor with part-no. 1011-0045
 - use of the following outputs for safety relevant purposes:
 - display
 - visible and audible alarm indicators
 - use of the following options and accessories:
 - Rechargeable battery pack
 - Battery holder with rechargeable batteries type Fujitsu HR-3UTHC
 - Floating probe (part-no. ZS21-10100)
 - Probe hose 6 m (part-no. ZS18-10100)
 - Flexible hand probe (part-no. ZS32-10000)
 - Flexible probe HG5 (part-no. ZS44-10000)
 - Short probe PM 5 (part-no. 2620-0033)
 - Probe hose HG 1 m nonane (part-no. ZZ27-10100)
 - Test set SPE AutoFlow (PP05-20000)
 - Docking station PM 5 (part-no. LP12-10000)
 - Docking station PM 5-T (part-no. LP12-20000)
 - Power supply M4 (part-no. LD10-10001)

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- The type examination includes the following deviations from the operating conditions required by EN 50104:
 - extended range of temperature at operation: -20 °C to +40 °C
 - extended range of pressure at operation: 70 kPa to 120 kPa
 - extended range of humidity of the measured gas: 5 % RH to 95 % RH

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, 2019-12-06



Managing Director