

# DECLARATION OF PERFORMANCE

According to Construction Products Regulation No. 305/2011

No. CPR-E002

1. Unique Product identification code
2. Type, batch or serial number or any of the other element allowing identification of the construction product as required in Article 11(4):

1. Identification code	2. Types
TITANUS <i>TOP-SENS</i> <sup>®</sup>	TT-1/s, TT-1-F/s, TT-1-SL/s, TT-1-B, TT-2-B, TT-1-E/a, TT-1-F-E/a, TT-1-SL-E, TT-2-E/a, TT-2-F-E/a, TT-2-SL-E, TT-1/a, TT-1-U, TT-1-F/a, TT-1-F-U, TT-1-SL, TT-1-SL-U, TT-1-AU, TT-1/a CN TT-xNF(-xx)(-xx)(-a)
TITANUS <i>TOP-SENS</i> <sup>®</sup> -LSNi	TT-L1, TT-L1-SL-U, TT-L1-SL, TT-L1-B, TT-L1-SL-B, TT-L2-B, TT-L2-SL-B

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

**Fire detection and fire alarm systems installed in and around buildings**

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

**WAGNER Group GmbH**  
Schleswigstraße 1 - 5  
D-30853 Langenhagen  
Germany

5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):

**Not applicable**

6. System or systems of assessment and verification of consistency of performance of the construction product as set out in Annex V:

**System 1**

7. In case of the declaration of performance concerning a construction product covered by a harmonized standard

**VdS Schadenverhütung GmbH**  
**Accreditation 0786**

performed type testing and the initial inspection of the manufacturing plant and of the factory production control with continuous surveillance assessment and approval of the factory production control under system 1 and issued the EC certificate of conformity:

**0786-CPD-20685**

8. No European Technical Assessment has been issued for his product.

9. Declared performance:

All requirements including all Essential Characteristics and the corresponding performances for the intended use or uses indicated in point 3 above have been determined as described in the hEN mentioned in the table below.

Harmonised technical specification		EN 54-20:2006	EN 54-17:2005 + AC:2007
Essential Characteristics	Performance <sup>1/2)</sup>	Clause	Clause
Nominal activation conditions / sensitivity / response delay (response time) and performance under fire conditions			
- Response to slowly developing fires	pass	5.6	n/a
- Repeatability	pass	6.2	n/a
- Reproducibility	pass	6.3	5.2
- Fire sensitivity	pass	6.15	n/a
Operational reliability			
- Requirements	pass	n/a	4
- Individual visual alarm indication	pass	5.2	n/a
- Connection of ancillary devices	pass	5.3	n/a
- Manufacturer's adjustments	pass	5.4	n/a
- On-site adjustment of response behaviour	pass	5.5	n/a
- Mechanical strength of the pipework	pass	5.7	n/a
- Hardware components and additional sensing elements in the sampling device	pass	5.8	n/a
- Airflow monitoring	pass	5.9	n/a
- Power supply	pass	5.10	n/a
- Data	pass	5.11	n/a
- Additional requirements for software controlled detectors	pass	5.12	n/a
Tolerance to supply voltage			
- Variation in supply parameters	pass	6.4	5.3

Harmonised technical specification		EN 54-20:2006	EN 54-17:2005 + AC:2007
Durability of operational reliability, temperature resistance			
- Dry heat (operational)	pass	6.5	5.4
- Cold (operational)	pass	6.6	5.5
Durability of operational reliability, vibration resistance			
- Shock (operational)	pass	6.10	5.9
- Impact (operational)	pass	6.11	5.10
- Vibration, sinusoidal (operational)	pass	6.12	5.11
- Vibration, sinusoidal (endurance)	pass	6.13	5.12
Durability of operational reliability, electrical stability			
- Electromagnetic compatibility (EMC), immunity tests	pass	6.14	5.13
Durability of operational reliability, humidity resistance			
- Damp heat, steady state (operational)	pass	6.7	5.6
- Damp heat, steady state (endurance)	pass	6.8	5.7
Durability of operational reliability, corrosion resistance			
- Sulphur dioxide (SO <sub>2</sub> ) corrosion (endurance)	pass	6.9	5.8
<sup>1)</sup> - "NPD" theoretically possible; except for durability of characteristics with declared performance <sup>2)</sup> - "not applicable" for components to which the requirement does not apply			

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and in behalf of the manufacturer by:

Place, Date: Langenhagen, 2013-06-14

Head of development: 