

Tuesday, 14 October 2025

DECLARATION OF PERFORMANCE

According to Construction Products Regulation EU N° 305/2011

No. DOP-7823

1. Unique identification code of the product-type:

Sensis Azure 500s

2. Intended use/es:

Aspirating smoke detector for use in fire detection and fire alarm systems in buildings

3. Manufacturer:

FFE Ltd, 9 Hunting Gate, Hitchin, Hertfordshire, SG4 0TJ, United Kingdom

4. Authorised representative:

FFE B.V., J. Keplerweg 10S, 2408 AC, Alphen aan den Rijn, Netherlands

Note: FFE B.V. has, by issue of written mandate, been authorised by FFE Ltd to act as an Importer for this product, and to carry out the duties required of an Importer within the European Union.

5. System/s of AVCP:

System 1

6. Harmonised standard:

EN 54-20:2006 + AC:2008

Notified body/ies:

LGAI Technological Centre, S.A (APPLUS) – Notified Body Number 0370

Certificate No:

0370-CPR-7823

7. Declared performance/s:

See next page

Harmonized Technical Specification		EN54-20:2006 + AC:2008	
Essential Characteristic	Performance	Clause	
Nominal activation conditions/sensitivity/response delay and performance under fire conditions			
Response in the event of slowly developing fires	Pass	5.6	
Repeatability	Pass	6.2	
Reproducibility	Pass	6.3	
Fire Sensitivity (Class A, B, C)	Pass	6.15	
Operational Reliability			
Individual alarm indication	Pass	5.2	
Connection of ancillary devices	Pass	5.3	
Manufacturer's adjustments	Pass	5.4	
On-site adjustment of behaviour	Pass	5.5	
Mechanical strength of the pipework	Pass	5.7	
Components in the sampling device	Pass	5.8	
Airflow monitoring	Pass	5.9	
Power supply	Pass	5.10	
Data	Pass	5.11	
Software controlled detector	Pass	5.12	
Tolerance to supply Voltage			
Variation in supply parameter	Pass	6.4	
Durability of operational reliability			
Temperature resistance			
Dry heat (operational)	Pass	6.5	
Cold (operational)	Pass	6.6	
Vibration resistance			
Shock (operational)	Pass	6.10	
Impact (operational)	Pass	6.11	
Vibration Sinusoidal (operational)	Pass	6.12	
Vibration Sinusoidal (endurance)	Pass	6.13	
Electrical stability			
Electromagnetic compatibility (EMC), immunity	Pass	6.14	
Humidity resistance			
Damp heat, steady state (operational)	Pass	6.7	
Damp heat, steady state (endurance)	Pass	6.8	
Corrosion resistance			
SO ₂ corrosion (endurance)	Pass	6.9	

* The class of any pipe/hole configuration and detector sensitivity is determined using AVAFlow

* Power Supply : As according to local EN 54-4 requirement or NFPA 72 requirement

* Pipe Strength : As accordance with EN61386-1 to at least class 1131

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:



Mahesh De Silva
Technical Director – FFE Ltd
Hitchin, 14/10/2025

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