



Constancy of Performance Certificate

LGAI Technological Center S.A. (APPLUS), Notified Body No. 0370, issues this certificate to:

APPLICANT

Placed on the market under the name of

FFE Ltd.

9 Hunting Gate, Hitchin, Herts, SG4 0TJ, UK

Manufactured in production plant:

AVA Prevent Co. Ltd.

2F-4, No. 700 Zhongzheng Rd., Zhonghe Dist., New Taipei City 235603, Taiwan (R.O.C)

PRODUCT

Fire detection and fire alarm systems

- Aspirating smoke detectors

Model: Sensis Azure 500s

Brand: Sensis Azure

APPLICABLE REGULATION

Construction Product Regulation (CPR)

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard:

EN 54-20:2006, EN 54-20:2006/AC:2008

Under **system 1** for the performance set out in this certificate are applied and the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

No. 0370-CPR-7823

Date issued: 10/10/2025

First issue date: 26/09/2025

Modification date: 10/10/2025

Follow-up date: before 31/01/2026

The validity of this certificate remains in effect as long as the harmonised standard, the construction product, the AVCP methods, and the manufacturing conditions at the plant are not significantly modified, unless the certificate is suspended or withdrawn by the notified product certification body.

This document is not valid without its technical annex, whose number coincides with that of the certificate.

Xavier Ruiz Peña
Managing Director
Conformity Assessment

Arplus⁺
certification

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Technical Annex

Annex according to EN 54-20:2006, EN 54-20:2006/AC:2008

Fire detection and fire alarm systems. Part 20: aspirating smoke detectors

Essential characteristics	Clauses in this European standard	Mandated level(s) or class(es)
Individual visual alarm indication	5.2	Pass
Connection of ancillary devices	5.3	Pass
Manufacturer's adjustments	5.4	Pass
On site adjustment of response behaviour	5.5	Pass
Response to slowly developing fires	5.6	Pass
Mechanical strength of the pipework	5.7	Pass
Hardware components and additional sensing elements in the sampling device	5.8	Pass
Airflow monitoring	5.9	Pass
Power supply	5.10	Pass
Data	5.11	Pass
Additional requirements for software controlled detectors	5.12	Pass
Repeatability	6.2	Pass
Reproducibility	6.3	Pass
Variation in supply parameters	6.4	Pass
Dry heat (operational)	6.5	Pass
Cold (operational)	6.6	Pass
Damp heat, steady state (operational)	6.7	Pass
Damp heat, steady state (endurance)	6.8	Pass
Sulphur dioxide (SO ₂) corrosion (endurance)	6.9	Pass
Shock (operational)	6.10	NA
Impact (operational)	6.11	Pass
Vibration, sinusoidal (operational)	6.12	Pass
Vibration, sinusoidal (endurance)	6.13	Pass
Electromagnetic compatibility (EMC), Immunity tests	6.14	Pass
Fire sensitivity	6.15	Pass Class A/B/C

PASS; NPD = No Performance Determined; NA = Not Apply

Device approved for Class A/B/C.

Maximum pipe length: 100 m with a single pipe, 240 m with a non-linear piping layout

Maximum number of sampling holes:

- 18 for class A with a linear pipeline arrangement.
- 60 for class B and C with a pipeline arrangement other than linear

The Class of the pipe, the hole sampling configuration and the sensibility must be determined with the AvaFlow air sampling pipe network design tool.

The Detector must be connected to an approved EN54-4 power supply to meet the clause 5.10.

Pipes and fittings for the air intake must be in accordance with EN61386-1 at least up to class 1131 to meet the clause 5.7.