



## 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

Produced at the manufacturing plant

**AVA Prevent Co. Ltd.**

18F-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**

**Models:** Sensis Cobalt HM1 / Sensis Cobalt HM1D / Sensis Cobalt HM2 / Sensis Cobalt HM2D

**Brand:** Sensis Cobalt

### 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-8035

**Date issued:** 20/02/2026

**Follow-up date:** before 31/01/2027

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and the manufacturing conditions at the plant are not significantly modified, unless the certificate is suspended or withdrawn by the notified product certification body.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<sup>+</sup>**  
certification

**LGAI Technological Center S.A. (APPLUS)**  
**Notified Body No. 0370**  
Campus UAB. Ronda de la Font del Carme s/n  
08193 Bellaterra, Barcelona (Spain)



Check the status  
of this certificate

Certificate

# 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 <sub>2</sub> ) corrosion (endurance)                   | 6.9                               | Pass                           |
| Shock (operational)                                                        | 6.10                              | Pass                           |
| 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<br>A/B/C                  |

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

Models and variants approved:

HM1D, HM2, HM2D, HM1-4, HM1-6, HM1-B, HM1-B4, HM1-B6, HM1D-4, HM1D-6, HM1D-B, HM1D-B4, HM1D-B6, HM2-4, HM2-6, HM2-B, HM2-B4, HM2-B6, HM2D-4, HM2D-6, HM2D-B, HM2D-B4, HM2D-B6

Device approved for Class A/B/C.

Maximum pipe length:

- HM1/HM1D: Linear: 105m / Branch: 260m
- HM2/HM2D: Linear: 2 x 105m / Branch: 2 x 260m

Maximum number of sampling holes (A/B/C):

- HM1/HM1D: 6/16/30
- HM2/HM2D: 12/32/64

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.