

# DECLARATION OF PERFORMANCE



**AUTRONICA**  
FIRE AND SECURITY

According to Construction Products Regulation EU N° 305/2011

## Aspirating Smoke detector

|  |   |
|--|---|
| <b>Product identification</b>                        | Aspirating Smoke detector                                   |
| <b>Type</b>  | AutroSense Micra 25   |
| <b>Intended use</b>                                  | Fire detection and fire alarm systems                       |
| <b>Manufacturer</b>                                  | Autronica Fire and Security AS, PO Box 5620, 7483 Trondheim |
| <b>System type</b>                                   | System 1  |
| <b>Notified body</b>                                 | BRE 0832  |
| <b>Certificate of Constancy of Performance (COP)</b> | 0832-CPD-1157   |
| <b>Table of performance</b>                          | See table below   |

### Table of performance

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

| Harmonised technical specification                               |             | EN 54-20:2006 |
|--|-------------|---------------|
| Essential Characteristics  | Performance | Clause        |
| Durability of operational reliability,<br>temperature resistance |             |               |
| - Dry heat<br>(operational)                                      | pass        | 6.5           |
| - Cold<br>(operational)  | pass        | 6.6           |
| Durability of operational reliability,<br>vibration resistance   |             |               |
| - Shock<br>(operational)   | pass        | 6.10          |
| - Impact<br>(operational)  | pass        | 6.11          |
| - Vibration, sinusoidal (operational)                            | pass        | 6.12          |
| - Vibration, sinusoidal (endurance)                              | pass        | 6.13          |
| Durability of operational reliability,<br>electrical stability   |             |               |
| - Electromagnetic compatibility (EMC),<br>immunity tests         | pass        | 6.14          |
| Durability of operational reliability,<br>humidity resistance    |             |               |
| - Damp heat, steady state (operational)                          | pass        | 6.7           |
| - Damp heat, steady state (endurance)                            | pass        | 6.8           |
| Durability of operational reliability,<br>corrosion resistance   |             |               |
| - Sulphur dioxide (SO <sub>2</sub> ) corrosion (endurance)       | pass        | 6.9           |

The performance of the product identified as «Product identification» and «Type» is in conformity with the declared "Table of performance". This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of Autronica Fire and Security:  
Trondheim, Norway, 2013-05-23

