

DECLARATION OF PERFORMANCE



According to Construction Products Regulation EU N° 305/2011

Aspirating Smoke detector

Product identification	Aspirating Smoke detector
Type	AutroSense Nano
Intended use	Fire detection and fire alarm systems
Manufacturer	Autronica Fire and Security AS, PO Box 5620, 7483 Trondheim
System type	System 1
Notified body	BRE 0832
Certificate of Constancy of Performance (COP)	0832-CPD-1473
Table of performance	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, temperature resistance		
- Dry heat (operational)	pass	6.5
- Cold (operational)	pass	6.6
Durability of operational reliability, vibration resistance		
- Shock (operational)	pass	6.10
- Impact (operational)	pass	6.11
- Vibration, sinusoidal (operational)	pass	6.12
- Vibration, sinusoidal (endurance)	pass	6.13
Durability of operational reliability, electrical stability		
- Electromagnetic compatibility (EMC), immunity tests	pass	6.14
Durability of operational reliability, humidity resistance		
- Damp heat, steady state (operational)	pass	6.7
- Damp heat, steady state (endurance)	pass	6.8
Durability of operational reliability, corrosion resistance		
- Sulphur dioxide (SO ₂) 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


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