



Notified body No. 1134
asbl **ANPI** vzw
Parc Scientifique Fleming - Granbonpré 1
B-1348 Louvain-la-Neuve

CERTIFICATE OF CONSTANCY OF PERFORMANCE

1134 - CPR - 015

In compliance with *Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011* (the products Construction Products Regulation or CPR), this certificate applies to the construction product:

Optical smoke detector – Point detector AUTRONICA BHH-31A

With the Base Autronica BWA-40/1 (conventional)
Kit BH-31A = BHH-31A and BWA-40/1

and the variants: see annex 1 of the EC certificate of constancy of performance
with the performances listed in annex 2 of the EC certificate of constancy of performance and
intended use: Fire safety

manufactured by:

AUTRONICA Fire and Security AS
Haakon VII's gate 4
N-7483 Trondheim
NORWAY

and produced in the manufacturing plant(s):

AUTRONICA Fire and Security AS
Haakon VII's gate 4
N-7483 Trondheim
NORWAY

This certificate attests that all provisions concerning the assessment and the verification of constancy performance at system 1 being certified and the performances described in Annex ZA of the standard(s):

EN 54-7: 2000 + EN 54-7/A1: 2002

are applied and that

the product fulfils to all here above mentioned and prescribed requirements.

This certificate was first issued on **2014-02-14** and remains valid as a long time as the testing methods and/or for the control of the production in factory included in the harmonized standard, used to evaluate the performances of the declared characteristics, do not change and as neither the product, nor the manufacturing conditions in the plant or the factory production control itself are not modified significantly.

Brussels, the 14th of February 2014


Michèle VANDENDOREN
Secretary General



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Annex 1 to CERTIFICATE CONSTANCY OF PERFORMANCE

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includes also the following variants of the OPTICAL SMOKE DETECTOR –
POINT DETECTOR AUTRONICA BHH-31A With the Base Autronica BWA-40/1
(conventional)

Variants:

Optical Smoke detector	
Brand	Type
Autronica	BHH-31A/EX
Autronica	BH-31A
Autronica	BH-31A/EX

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Annex 2 to CERTIFICATE CONSTANCY OF PERFORMANCE

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Harmonised technical specification	EN 54-7:2000 + A1:2002	
Essential Characteristics	Performance^{1) 2)}	Clause
<i>Nominal activation conditions / sensitivity / response delay (response time) and performance under fire conditions/</i>		
- Response to slowly developing fires	NA	4.8
- Repeatability	pass	5.2
- Directional dependence	pass	5.3
- Reproducibility	pass	5.4
- Air movement	pass	5.6
- Dazzling	pass	5.7
- Fire sensitivity	pass	5.18
<i>Operational reliability</i>		
- Individual alarm indication	pass	4.2
- Connection of ancillary devices	pass	4.3
- Monitoring of detachable detectors	pass	4.4
- Manufacturer's adjustments	pass	4.5
- On-site adjustment of response behaviour	NA	4.6
- Protection against the ingress of foreign bodies /	pass	4.7
- Marking	pass	4.9
- Data	pass	4.10
- Additional requirements for software controlled detectors	NA	4.11
<i>Tolerance to supply voltage</i>		
- Variation in supply voltage	NA	5.5
<i>Durability of operational reliability and response delay, temperature resistance</i>		
- Dry heat	pass	5.8
- Cold (operational)	pass	5.9
<i>Durability of operational reliability, vibration resistance</i>		
- Shock (operational)	pass	5.13
- Impact (operational)	pass	5.14
- Vibration (operational)	pass	5.15
- Vibration (endurance)	pass	5.16
<i>Durability of operational reliability, humidity resistance</i>		
- Damp heat, steady state (operational)	pass	5.10
- Damp heat, steady state (endurance)	pass	5.11
<i>Durability of operational reliability, corrosion resistance</i>		
- Sulphur dioxide (SO ₂) corrosion	pass	5.12
<i>Durability of operational reliability, electrical stability</i>		
-Electromagnetic compatibility (EMC), immunity (operational)	pass	5.17
¹⁾ "NPD" theoretically possible; except for durability of characteristics with declared performance ²⁾ "NA" "not applicable" for components to which the requirement does not apply		

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