

DECLARATION OF PERFORMANCE



According to Construction Products Regulation EU N° 305/2011

Optical smoke detector – Point detector

Product identification	Optical smoke detector – Point detector
Type	BHH-31A, BHH-31/EX, BH-31A, BH-31A/EX
Intended use	Fire detection / Fire alarm – Safety components
Manufacturer	Autronica Fire and Security AS, PO Box 5620, 7483 Trondheim
System type	System 1
Notified body	ANPI 1134
Certificate of Constancy of Performance (COP)	1134-CPD-015
Table of performance	See table below

Table of performance

Harmonised technical specification		EN 54-7:2000 + A1:2002 + A2:2006
Essential Characteristics	Performance	Clause
Nominal activation conditions / sensitivity / response delay (response time) and performance under fire conditions		
- Response to slowly developing fires	pass	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
Operational reliability		
- 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	pass	4.6
- Protection against the ingress of foreign bodies	pass	4.7
- Marking	pass	4.9
- Data	pass	4.10

Harmonised technical specification		EN 54-7:2000 + A1:2002 + A2:2006
- Additional requirements for software controlled detectors	pass	4.11
Tolerance to supply voltage - Variation in supply parameters	pass	5.5
Durability of operational reliability and response delay, temperature resistance - Dry heat (operational)	pass	5.8
- Cold (operational)	pass	5.9
Durability of operational reliability, vibration resistance - Shock (operational)	pass	5.13
- Impact (operational)	pass	5.14
- Vibration, sinusoidal (operational)	pass	5.15
- Vibration, sinusoidal (endurance)	pass	5.16
Durability of operational reliability, humidity resistance - Damp heat, steady state (operational)	pass	5.10
- Damp heat, steady state (endurance)	pass	5.11
Durability of operational reliability, corrosion resistance - Sulphur dioxide (SO ₂) corrosion (endurance)	pass	5.12
Durability of operational reliability, electrical stability - Electromagnetic compatibility (EMC), immunity (operational)	pass	5.17

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

