



# Type Approval Certificate

[ Fire Detectors ]

**Initial Approval** 5 July 2022  
**Manufacturer** Autronica Fire and Security AS  
 Bromstadvegen 59, N-7047 Trondheim, Norway  
**Product Description** AutoGuard® V-430, V-530 multicriteria protector series

" See Appendix 1 "

**Approval Condition** " See Appendix 1 "

**THIS IS TO CERTIFY** that the above-mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows.

Pt. 6, Ch. 2, Art. 301 of the Rules for Classification, Steel Ships and EN 54-3, EN 54-5, EN 54-7, EN 54-17, EN 54-23, EN 54-29

This Certificate is valid until 4 July 2027

Issued at Busan, Korea on 5 July 2022



This certificate is signed electronically in accordance with IMO FAL.5/Circ.39/Rev.2. Validation and authentication of the certificate can be confirmed from "<http://e-cert.krs.co.kr>" by using the tracking No(ME22019910254) and certificate No.(CPH19730-FD007).



**KOREAN REGISTER**

*General Manager of  
Marine & Ocean Equipment Team*

- Note :**
1. This certificate will be valid subject to complying with the approval conditions described on the certificate and/or on the Rules of this Society.
  2. This certificate will be invalid from the expiry date aforementioned unless the extension or renewal has been granted to the applicant or the manufacturer.
  3. Any significant modifications or changes in design or construction to the above product without approval from this Society will render this certificate invalid.
  4. Should the specified rules, regulations or standards be amended during the validity of this certificate, the product is to be re-approved by this Society in accordance with the requirements as amended.

## Product Description and/or Approval Condition

Date of Issue : 5 July 2022

### A. Product Description

#### 1. Product Specification

AutroGuard® Multicriteria Protector features two heat sensors and a smoke chamber. The type of operation can be configured to fit the application, Heat, Optical or Multi Sensor.

AutroGuard® protectors can be delivered in a combination with integrated sounder, LED indicator and visual alarm device(VAD).

Interactive fire detectors designed for use with Autronica's interactive fire detection systems:

V-430	(Note 1)	AutroGuard® Multicriteria protector
V-430-S	(Note 1)	AutroGuard® Multicriteria protector with sounder
V-430-VADW	(Note 1)	AutroGuard® Multicriteria protector with white VAD
V-430-VADR	(Note 1)	AutroGuard® Multicriteria protector with red VAD
V-430-S-VADW	(Note 1)	AutroGuard® Multicriteria protector with sounder and white VAD
V-430-S-VADR	(Note 1)	AutroGuard® Multicriteria protector with sounder and red VAD
V-530		AutroGuard® Multicriteria protector with SIL2 approval
V-530-EXIA	(Note 2)	AutroGuard® Multicriteria protector with SIL2 approval, intrinsically safe for zone 0, 1 and 2
V-530-EXIC	(Note 2)	AutroGuard® Multicriteria protector with SIL2 approval, intrinsically safe for zone 2

Note 1 : Available with option for Cover Detection & SelfVerify (option /CD).  
Tested with base V-100.

Note 2 : Available with option for High Sensitivity (option /HS).  
Tested with base V-110 and V-120.

#### 2. Approved Drawings and Documents

- 1) Datasheet No. Doc-1004268.2 (2020-06-08), Doc-1004269.2 (2020-06-08)

#### 3. Test Reports, etc.

- 1) Test Reports
  - Intertek Test Report No. 103874656LHD-021 Issue No. 1 (2020-03-20)
  - Intertek Test Report No. 103874656LHD-022 Issue No. 1 (2020-03-20)
  - Intertek Test Report No. 103874656LHD-023 Issue No. 1 (2020-03-20)
  - Intertek Test Report No. 103874656LHD-024 Issue No. 1 (2020-03-20)
  - Intertek Test Report No. 103874656LHD-025 Issue No. 1 (2021-02-18)
  - Intertek Test Report No. 103963397LHD-021 Issue No. 1 (2020-11-20)
  - Intertek Test Report No. 103963397LHD-022 Issue No. 1 (2020-11-20)
- 2) Technical handbook, assembly drawings and commissioning procedure

### B. Approval Condition

#### 1. Application & Limitation

- 1) This approval is granted on the basis of the approved documentation and the test reports (IACS UR E10 Rev.8).
- 2) The manufacturer should inform this Society of all kinds of revisions of the equipment. If the changes are recognized to affect functionality of the approved equipment, type test to confirm the reliability of the revised equipment may be performed in the presence of our surveyor.
- 3) Degree of protection shall be complied with Rule Pt.6 Ch.1 Sec.2 201.2. (5).
- 4) Unless specially directed by the Administration, this approval is not to be construed as a substitute for a flag Administration's approval. This certificate may not be used for Korea flagged vessels.
- 5) Explosion-proof certification by a notified/recognized Certification Body is not covered by this certificate. Ratings and Special Condition for Safe Use in hazardous areas are to be obtained from the relevant valid Ex-Certificate.

#### 2. Individual Product Cert. and Drawing Approval Requirement

- 1) Individual product certification is not required.

#### 3. Marking

- 1) The product or packing is to be marked with the manufacturer's name and type designation on a suitable position.

## Product Description and/or Approval Condition

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4. Others  
N/A

< End of Certificate >

