



Marine & Offshore

Certificate number: 18830/D0 BV

File number: AP 3798

Product code: 3793H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

HONEYWELL ANALYTICS Ltd.

POOLE - UNITED KINGDOM

for the type of product

FIXED FLAMMABLE GAS DETECTORS

Searchpoint Optima Plus

Requirements:

BUREAU VERITAS Rules for the Classification of Steel Ships.

EN/IEC 60079-0 (2017), IEC/EN 60079-1 (2014), IEC/EN 60079-31 (2013), EN 60079-29-1:2016.

EC Code: 31/41 BS.

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 27 Oct 2027

For Bureau Veritas Marine & Offshore,

At BV LONDON, on 27 Oct 2022,

Spencer Yule

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarm.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=tbazlcbeyf>

BV Mod. Ad.E 530 June 2017

This certificate consists of 3 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

- Product model or type designation:

Searchpoint Optima Plus

- Product description:

Infrared Point Gas Detector designed to detect flammable gases.

1.1 - Main Characteristics:

| | |
|-------------------------|---|
| Principle | Infrared |
| Output | 4-20 mA (with or without HART protocol) |
| Power Supply | 24 VDC (18-32 VDC) |
| Software Version | 7V2 on all types / versions |
| Ex marking | II 2 GD Ex db op is IIC 86°C/96°C Gb Ex tb IIIC T86°C/T96°C Db (Ta -40°C to +55°C/65°C) |

2. DOCUMENTS AND DRAWINGS:

Honeywell:

Installation Guide, MAN0838 Issue 3 05-10

For modification D0 version:

Honeywell:

Searchpoint Optima Plus with optional HART® output Operating Instructions 2108M0550 No. MAN905 Issue 7_07/17
Data Sheet Ref. Searchpoint Optima Plus_DS0276_V11 EMEAI dated 06/15.

3. TEST REPORTS:

For modification D0 version:

SGS Baseefa:

SGS Baseefa EU-Type Examination Certificate No.: Baseefa13ATEX0296X /4 dated 2020-05-11

EXAM / DEKRA:

EU-Type Examination Certificate No. BVS 03 ATEX G 016X with its 12th Sup. - last update on 2021-09-21 (Testing according to EN60079-29-1 requirements of Optima Plus, Z and X)

IEC:

IECEX Certificate No. IECEX BAS 13.0069X Issue No.:5 dated 2020-05-11.

MS Testing:

EMC and Environmental Testing Type approval Test Report No. TL18134, dated 2019-02-05.

4. APPLICATION / LIMITATION:

- 4.1 - BUREAU VERITAS Rules for the Classification of Steel Ships and EN 60079-29-1.
- 4.2 - Approval also valid for ships to be granted with the notations: **AUT-UMS, AUT-CCS, AUT-PORT and AUT-IMS.**
- 4.3 - BUREAU VERITAS Environmental Category, **EC Code: 31/41 BS.**
- 4.4 - The equipment fulfils the EMC requirements for installation on the Bridge and Deck Zone.
- 4.5 - Only Hardware and Firmware / Software successfully tested together in compliance with the regulations as referred to in cover page, according to the declaration of the manufacturer are covered by this certificate.
- 4.6 - Any modification of the hardware, firmware or software having an impact on the product performance or functionality has to be validated with type testing.
- 4.7 - Ex-certification is not covered by this certificate, Applications in hazardous areas are to be approved in each case according to the Rules and Conditions for Safe Use specified in a valid Ex-Certificate issued by a Notified or Recognised Certification Body.
- 4.8 - Equipment covered by this Type Approval certificate has been tested according to requirements of IACS UR E10 rev8.

5. PRODUCTION SURVEY REQUIREMENTS:

- 5.1 - The above products are to be supplied by **HONEYWELL ANALYTICS Ltd.** in compliance with the type described in this certificate.
- 5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.
- 5.3 - **HONEYWELL ANALYTICS Ltd.** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.
- 5.4 - For information, **HONEYWELL ANALYTICS Ltd.** has declared to Bureau Veritas the following production site(s):

HONEYWELL ANALYTICS Ltd.
Hatch Pond House
4 Stinsford Road
Nuffield Estate
POOLE
UNITED KINGDOM

6. MARKING OF PRODUCT:

- According to EN 60079-29-1
- Ex marking as relevant.

7. OTHERS:

- 7.1 - It is **HONEYWELL ANALYTICS Ltd.**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.
- 7.2 - This Certificate supersedes the Type Approval Certificate No. 18830/C0 BV issued on 08 May 2017 by the Society.

*** END OF CERTIFICATE ***