



Marine & Offshore
Division

Certificate number: 18830/B1 BV

File number: AP 3798

Product code: 3793H

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

www.veristar.com

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 (2011), IEC/EN 60079-1 (2007), IEC/EN 60079-31 (2013).

This certificate is issued to attest that BUREAU VERITAS 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: 23 Jul 2017

For BUREAU VERITAS,

At BV LONDON, on 17 Dec 2014,

Spencer Yule



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. 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 Division 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 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=ej64cpflfs>

BV Mod. Ad.E 530 October 2014

This certificate consists of 3 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

Searchpoint Optima Plus is an 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	6V2 on all types / versions
Ex marking	Ex d op is IIC T* Gb Ex tb IIIC T* Db *T86°C (Ta -40°C to +55°C) or *T96°C (Ta -40°C to +65°C)

2. DOCUMENTS AND DRAWINGS:

Honeywell:

Installation Guide, MAN0838 Issue 3 05-10

Operating Instructions, MAN0551 Issue 11 04-12

Searchpoint Optima Plus with optional HART® output Operating Instructions 2108M0550 No. MAN905 Issue 5_12/13

Data Sheet Ref. H Searchpoint Optima Plus_DS0276_V9 EMEAI dated 08/13.

3. TEST REPORTS:

TÜV:

Test report dated 08/09/2006, referenced SX614977/01

Test report dated 08/09/2006, referenced SX614977/02

Test report dated 09/2006, referenced OO614977/01

Test report dated 08/09/2006, referenced SJ614977/01.

AQLEMC:

Test report dated 07/10/2003, referenced 1007B/30.

EECS / Baseefa:

SGS Baseefa Replaced with EC-Type Examination Certificate No.: Baseefa13ATEX0296X dated 2014-05-14

EXAM / DEKRA:

EC-Type Examination Certificate No. BVS 03 ATEX G 016X with its 7th Sup. - last update on 14 August 2014 (Testing according to EN60079-29-1 requirements of Optima Plus, Z and X)

IEC:

IECEX Certificate No. IECEX BAS 13.0069X Issue No.:1, dated 2014-09-05.

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 - Only Hardware and Firmware / Software successfully tested together in compliance with the regulations as referred to in page one, according to the declaration of the manufacturer are covered by this certificate.

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.

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 :

HONEYWELL ANALYTICS Ltd.
Hatch Pond House, 4 Stinsford Road, Nuffield Estate
POOLE
BH17 ORZ
UNITED KINGDOM

6. MARKING OF PRODUCT:

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

7. OTHERS:

7.1 - This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the units at any time and that **HONEYWELL ANALYTICS Ltd., United Kingdom**, will accept full responsibility for informing shipbuilders, shipowners or their sub-contractors of the proper methods of use and general maintenance of the units and the conditions of this approval.

7.2 - This Certificate supersedes the Type Approval Certificate No. 18830/B0 BV issued on 23 Jul 2012 by the Society.

***** END OF CERTIFICATE *****