

EU-Type Examination Certificate

- [2] EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 2014/34/EU
- [3] EU-Type Examination Certificate Number: Presafe 18 ATEX 13009 Issue 0
- [4] Product: Portable Leak Detector VPAC-II
[5] Manufacturer: MISTRAS Group Inc.
- [6] Address: 195 Clarksville Road,
Princeton Junction NJ, 08550 USA
- [7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] DNV GL Presafe AS, notified body number 2460, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The examination and test results are recorded in confidential reports listed in section 16.
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: EN 60079-0:2012/A11:2013 and EN 60079-11:2012
- [10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
- [11] This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- [12] The marking of the product shall include the following:

 II 2 G Ex ia IIC T3 Gb -20°C ≤ Ta ≤ +55°C

Date of issue:
2018-10-26



Asle Kaastad
For DNV GL Presafe AS
The Certificate has been digitally signed.
See www.presafe.com/digital_signatures for more info



This certificate may only be reproduced in its entirety and without any change, schedule included.

[13] **Schedule**

[14] **EU-TYPE EXAMINATION CERTIFICATE No.:** Presafe 18 ATEX Issue 0

[15] **Description of Product**

The Model VPACII Portable Leak Detector is designed to monitor leak associated acoustic emission signal level by measuring the RMS (dB) value of those signals. The circuitry of the detector is powered by four AA size Ni -Cad batteries that are encapsulated and contained within the housing. The unit consists of one printed circuit board. The pcb interfaces with six membrane keys along with a liquid crystal display for facilitate data entry and acquisition. The VPACII may be used with sensors D9203 IS, D9241 IS or VS9203-IS.

Type designation

VPAC-II

Electrical Data

U=4.8V, I=15mA

Degrees of protection (IP Code)

IP54

Ambient temperature:

-20°C to +55°C

Routine tests

None

[16] **Report No.:** 2018-3190

Project No.: PRJC-503716-2014-PRC-USA

[17] **Specific Conditions of Use**

None

[18] **Essential Health and Safety Requirements**

Essential Health and Safety Requirements (EHSRs) are covered by the standards listed at item

[19] **Drawings and documents**

| Number | Title | Rev. | Date |
|--------------|--|------|------------|
| 5133-1503-IS | Label, Rear, Intrinsically Safe, Vpac-II* | 4 | - |
| 5133-2010 | Artwork (9 sheets)* | 4 | 2018-07-19 |
| 5133-2011 | VPACII, Acoustic leak detector board* | 4 | - |
| 5133-2014-IS | Custom BOM Report (4 sheets)* | 4 | 2018-08-16 |
| 5133-2014-IS | VPACII; Acoustic leak detector board (2 sheets)* | 4 | - |
| 5133-3010 | VPACII Schematic (6 sheets)* | 4 | - |
| 5133-5015-IS | Top Assembly, ISVPAC II-IS (2 sheets)* | 1 | - |

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|--------------|--|---|------------|
| 5133-5015-IS | Custom BOM Report (2 sheets)* | 1 | 2018-08-14 |
| 5133-3020 | Battery Pack Protection Board (schematics) | 3 | 2011-07-20 |
| 5133-5095 | ASSEMBLY, BATTERY PACK, VPAC II (4 sheets) | 5 | 2011-11-29 |

[20] Certificate History

| Issue | Description | Issue date | Report no. |
|-------|----------------|------------|------------|
| 0 | Original issue | 2018-10-26 | 2018-3190 |

END OF CERTIFICATE