

[1]

EU-TYPE EXAMINATION CERTIFICATE

[2] Product Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

[3] EU-Type Examination Certificate Number: **Presafe 18 ATEX 13009** **Issue 03**

[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 Product Assurance AS, notified body number 2460, in accordance with Article 17 and Article 21 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 item 16.

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: **EN IEC 60079-0:2018 and EN 60079-11:2012**

Where additional criteria beyond those given here have been used, they are listed at item 18 in the Schedule.

[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 in accordance to the Directive 2014/34/EU. 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(1) G Ex ia IIC T3 Gb -20°C ≤ Ta ≤ +55°C**

Date of issue:
2021-07-19



Asle Kaastad
For DNV Product Assurance AS
The Certificate has been digitally signed.
See www.dnv.com/digitalsignatures for info



[13] **Schedule**

[14] **EU-Type Examination Certificate No:** **Presafe 18 ATEX 13009** Issue 03

[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**

Met by compliance with the requirements mentioned in item 9.

[19] **Drawings and documents**

Number	Title	Rev.	Date
5133-1503-IS	Label, Rear, Intrinsically Safe, Vpac-II*	5	2021-04-19
5133-2010	Artwork (9 sheets)	4	2018-07-19
5133-2011	VPAC II, Acoustic leak detector board	4	-
5133-2014-IS	Custom BOM Report (4 sheets)	4	2018-08-16
5133-2014-IS	VPAC II; Acoustic leak detector board (2 sheets)	4	-
5133-3010	VPAC II Schematic (6 sheets)	4	-
5133-5015-IS	Top Assembly, IS VPAC II-IS (2 sheets)*	2	2021-04-26
5133-5015-IS	Custom BOM Report (2 sheets)*	2	2021-06-30
5133-3020	Battery Pack Protection Board (schematics)	3	2011-07-20
5133-5095	ASSEMBLY, BATTERY PACK, VPAC II (4 sheets)	5	2011-11-29
5131-4002-F	Sensor Cable Assembly*	6	2021-06-11

*Note: An * is included after the title of documents that are new or revised*

[20] **Certificate History**

Issue	Description	Issue date	Report no.
0	Original issue	2018-10-26	2018-3190
01	Update of standard revisions and notified body number	2021-06-24	2018-3190
02	Update to include new drawing revisions	2021-07-07	2018-3190
03	Correction of drawing number	2021-07-19	2018-3190

END OF CERTIFICATE

