

# CERTIFICATE

## (1) EU-Type Examination

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **DEKRA 22ATEX0075 X** Issue Number: **0**

(4) Product: **Alicat IS-Max and IS-Pro Pressure and Flow Monitor, Model ISXXX-XX-XXX-XX-XX-X-X (where 'X' represents alphanumeric designations of part configuration)**

(5) Manufacturer: **Alicat Scientific**

(6) Address: **7641 N Business Park Drive Tucson, AZ 85743, United States of America**

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., Notified Body number 0344 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 test report number NL/DEK/ExTR22.0070/00.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0 : 2018**

**EN 60079-11 : 2012**

except in respect of those requirements listed at item 18 of 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. 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:



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Date of certification: 20 December 2023

DEKRA Certification B.V.

R. Schuller  
Certification Manager



(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 22ATEX0075 X**

Issue No. 0

(15) **Description**

The I.S. Pressure and Flow Monitor design requires one or more than one barrier in order to fulfil its purpose. Refer to Control Drawing for details. The I.S. MAX has one or two valves for flow control, whereas the I.S. PRO has no valves. The MAIN board and DISPLAY board are unchanged between the two variants.

The device measures one or more pressures and modulates an external valve in order to control a pressure or a flow rate through the device. Additional sensing is done with a thermistor (temperature) and optional humidity sensor and/or barometric pressure sensor for additional corrections. Multiple interfaces are available in the range of serial (RS485 or RS232), analog (4-20mA in/out) discrete inputs, as well as an optional display and keypad. Each of the interfaces require a barrier, except, potentially the discrete inputs, which could be serviced by a simply switch closure and no additional energy limitation.

For the type designation, thermal and electrical data see Annex 1 to NL/DEK/ExTR22.0070/00

**Installation instructions**

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. NL/DEK/ExTR22.0070/00.

(17) **Specific conditions of use**

The black metal sections of the enclosure are anodized aluminum and are a potential impact ignition source. Protect the apparatus from impact and abrasion as appropriate for the installation zone.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR22.0070/00.