[1] # 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: **IMQ 12 ATEX 002 X**

[4] PRODUCT: **Control Unit**
TYPE/SERIES: **Multiscan++** (as specified in §15.1)

[5] MANUFACTURER: **Sensitron S.r.l.**

[6] ADDRESS: **Viale della Repubblica, 48**
20010 Cornaredo (MI) - Italy

[7] This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documents therein referred to.

[8] IMQ, notified body N° 0051, 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 equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The examination and test results are recorded in Report No.:
AT18-0023506-01

[9] Compliance with Essential Health and Safety Requirements, except in respect of those listed at item 18 of the annex, has been assured by compliance with:
EN 60079-0:2012 + A11:2013 ; EN 60079-29-1:2007

[10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe 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 equipment or protective system shall include the following:

II (2)G

This document is composed of 4 pages including 1 annex

FIRST ISSUE:	2012 I 07 I 24
CURRENT ISSUE:	2018 I 05 I 03
PREVIOUS ISSUE:	2012 I 07 I 24

Stefano Ferrari
B.U. PRODUCT CONFORMITY ASSESSMENT
CERTIFICATION SECTOR – MANAGER

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ACCREDIA L'ENTE ITALIANO DI ACCREDITAMENTO
PRD N° 005 B
Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

[13] # Annex

[14] EU-type Examination Certificate number: **IMQ 12 ATEX 002 X**

[15] **Description of product:**

Control unit MULTISCAN++S1 is a control unit for revelation of gas; it allows to manage simultaneously up to 256 gas sensors, which can be both addressable and directly linked on loop, or of analogical type 4-20mA connected through remote modules with 8 inputs ST.G/IN8-N or ST.G/IN8-S. The architecture of system foresees up to 256 outputs of type open collector, freely programmable, given by STG/OUT16 or STG/OUT16-N modules, connected to RS485 loop. Serial loops of the control unit can be 2 or 4.
The MULTISCAN ++ MED MARINE control unit is a control unit for gas detection, designed to meet the widest demand for flexibility on the part of the Naval market. The control unit MED MARINE is derived directly from the model MULTISCAN ++ S1; it allows to manage simultaneously up to 64 gas sensors.

The MULTISCAN++S1 is available in 19 "racks, 3 units that can be powered at 24 Vdc, or in a metal box complete with power supply unit; instead MULTISCAN++MED MARINE is available only in a metal box with power supply unit.

Models/Series Identification:

[15.1] MULTISCAN++ STMTS/S1-B (box version)
MULTISCAN++ STMTS/S1-R (rack version)
MULTISCAN++ STMTS/MED

[15.2] **Ratings:**

Vin	:	24 Vdc ± 10 % (rack version) 100-120 Vac / 200-240 Vac (box version)
Pin	:	10 VA max
Inputs	:	256 programmable (RS485 on loop or 4-20mA with modules STG/IN8-S or STG/IN8-N)
Outputs	:	8 relays output + 256 open collectors
Alarm threshold n.	:	3
Warm-up time	:	programmable, 120 sec. min.

[15.3] **Safety Ratings:** -

[15.4] **Ambient temperature and temperature classes:** 0 °C ÷ +55 °C

[15.5] **Degree of protection (IP code):** -

[15.6] **Warnings:** -

[16] **Report:** AT18-0023506-01

[16.1] **Routine (factory) tests:**
The manufacturer shall carry out the routine test prescribed at clauses 27 of the EN 60079-0.

[13] # Annex

[14] EU-type Examination Certificate number: **IMQ 12 ATEX 002 X**

[16.2] **Conformity with the documentation:**
The manufacturer shall carry out the verifications or tests necessary to ensure that the product complies with the documentation.
Marking the equipment in accordance with Clause 29 of EN 60079-0, the manufacturer attests on his own responsibility that:

- the equipment has been constructed in accordance with the applicable requirements of the relevant standards in safety matters;
- the routine verifications and routine tests in 28.1 of EN 60079-0 have been successfully completed with positive results.

[16.3] **Installation conditions:**
Above referred equipment is foreseen to be installed in locations where there are environmental conditions, as clearly specified at clause 1, par. 2 of EN 60079-0.
Installation and use in atmospheric and environmental conditions that are out of above mentioned intervals request special considerations and additional measures by the side of installer or user.
These should be specified to the manufacturer by the user;

It is not a required by applicable standard listed in [9] that the certification body confirm suitability for the adverse conditions.
Installation of equipment has to proceed according to EN 60079-14.

Control unit MULTISCAN++ shall be installed in an enclosure with minimum degree of protection IP20.

[17] **Special Condition of use (X):**
Control unit MULTISCAN++ is suitable for use at ambient temperature of 0°C ÷ +55°C.
Devices installed in zone that have been classified and connected to control unit MULTISCAN++ shall be protected with one of the types of protection listed in EN 60079-0, corresponding to their own category.

[18] **Essential Health and safety Requirements:**
This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed in [9].
This Certificate **does not** cover hazards coming from environmental conditions different from those clearly and precisely indicated and covered in clause 1 of EN 60079-0.

ESHR 1.2.7 According Annex VIII of the Directive
ESHR 1.4 Not verified.
ESHR 1.5 Not verified.
ESHR 3 Not applied.

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at [9], the following are considered relevant to this product, and conformity is demonstrated in the report:
None

[13] # Annex

[14] EU-type Examination Certificate number: **IMQ 12 ATEX 002 X**

[19] **Descriptive documents:**
DL-AT18-0023506-01dated 2018-04-20.

[20] **Certification Validity Conditions:**
The use of this Certificate is subject to the Certification Scheme and to the Regulation applicable to holders of IMQ Certificates.
The validity of this certificate is subject to the condition that the manufacturer complies with the results of the document review and of the pertinent requirement if any included, recorded in the relevant copy of documentation as per 19.
One copy of the mentioned documentation is kept in IMQ file.

[21] In accordance with Article 41 of Directive 2014/34/EU, Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. New issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.

[22] **Variations**

2012, July:

First issue

2018, May:

- Introduction of a new model MULTISCAN ++ MED MARINE
- Updating to new edition of 60079-0 standard and to new ATEX directive (2014/34/UE)