



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: **IECEx FME 08.0007X** issue No.:5

Status: **Current**

Date of Issue: **2013-05-31** Page 1 of 4

Applicant: **Senmatic A/S**  
Industrivej 8  
DK- 5471 Sonderso  
**Denmark**

### Certificate history:

Issue No. 5 (2013-5-31)  
Issue No. 4 (2013-5-17)  
Issue No. 3 (2012-12-17)  
Issue No. 2 (2012-10-9)  
Issue No. 1 (2010-12-15)  
Issue No. 0 (2010-4-26)

Electrical Apparatus: **Water Level Sensor - Model WLS and NL Sensors**  
*Optional accessory:*

Type of Protection: **Intrinsic Safety 'i'**

Marking: WLS Hart Version  
Ex ia IIB T4\*  
WLS Modbus Version  
Ex ia IIC T4/T6\*  
NL Sensors  
Ex ia IIC T\*  
\*See ratings section in attachment for ambient and operating temperatures ranges

*Approved for issue on behalf of the IECEx  
Certification Body:* Mick Gower

*Position:* Certification Manager

*Signature:  
(for printed version)*

*Date:*

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**FM Approvals Ltd**  
1 Windsor Dials  
SL4 1RS Windsor  
United Kingdom



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Manufacturer: **Senmatic A/S**  
Industrivej 8  
DK- 5471 Sonderso  
**Denmark**

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

**STANDARDS:**

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

<b>IEC 60079-0 : 2004</b> Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
<b>IEC 60079-11 : 2006</b> Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
<b>IEC 60079-26 : 2004</b> Edition: 1	Electrical apparatus for explosive gas atmospheres - Part 26: Construction, test and marking of Group II Zone 0 electrical apparatus

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

**TEST & ASSESSMENT REPORTS:**

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

Test Report:

[GB/FME/ExTR10.0001/00](#)  
[GB/FME/ExTR10.0001/03](#)

[GB/FME/ExTR10.0001/01](#)  
[GB/FME/ExTR10.0001/04](#)

[GB/FME/ExTR10.0001/02](#)

Quality Assessment Report:

[SE/SP/QAR12.0001/00](#)



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**Schedule****EQUIPMENT:**

Equipment and systems covered by this certificate are as follows:

See attached sheet.

**CONDITIONS OF CERTIFICATION: YES as shown below:**

1. The WLS and the RTDs are two separate intrinsically safe circuits. They must not be interconnected and the requirements for separation listed in clause 6.2.1 in IEC 60079-11 shall be followed.
2. Terminating and connecting the WLS cable and the wires from the RTDs, requirements in the local installation codes shall be followed.
3. When connecting WLS and junction box adequate strain relief for the wiring shall be provided.
4. At connection facilities of the NL sensors the requirements in clause 6.2.1 in IEC 60079-11 for separation between intrinsically safe circuits and possibly non-intrinsically safe circuits shall be strictly followed.
5. In the NL sensors, terminating and connecting the wires from the RTDs, requirements in the local installation codes shall be followed.



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):**

Correction of errors on drawing #800-9020-FM. No technical changes, and no changes to the

model code.

**Annex:** [IECEX FME 08 0007X ISSUE 4.pdf](#)