



# 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 EXV 16.0014X

Issue No: 2

Certificate history:

Status: **Current**

Issue No. 2 (2019-04-05)

Issue No. 1 (2018-09-24)

Date of Issue: **2019-04-05**

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Issue No. 0 (2017-01-12)

Applicant: **Summit Electronics ApS**  
Stamholmen 147  
2650 Hvidovre  
Denmark  
**Denmark**

Equipment: **Magnetic Position Sensor**

*Optional accessory:*

Type of Protection: **Flameproof "d", Equipment dust ignition protection by enclosure "t"**

Marking:

Ex db IIC T5 Gb

Ex tb III C T100°C Db

T<sub>amb</sub> -40°C to +75°C

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

S Clarke CEng MSc MIET

*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:

**ExVeritas Limited**  
Units 16-18 Abenbury Way  
Wrexham Ind. Est.  
Wrexham LL 139UZ  
United Kingdom





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Manufacturer: **Summit Electronics ApS**  
Stamholmen 147  
2650 Hvidovre  
Denmark  
**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 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:

**IEC 60079-0 : 2011** Explosive atmospheres - Part 0: General requirements  
Edition:6.0  
**IEC 60079-1 : 2014-06** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0  
**IEC 60079-31 : 2013** Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

*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:

[DE/TUN/ExTR13.0015/00](#) [GB/EXV/ExTR16.0019/00](#) [GB/EXV/ExTR16.0019/01](#)  
[GB/EXV/ExTR19.0020/00](#)

### Quality Assessment Report:

[GB/EXV/QAR17.0010/00](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The high pressure housing is designed for use with a magnetic position sensor. The flameproof enclosure is constructed from AISI 316 Stainless Steel and consists of an M44 threaded cover and body, with option threaded entry and a high pressure process probe.

Type Designation: HPH-abcd-efgh-A

abcd: reference to type

efgh: Measuring length – up to 25-2500mm

### Drawing

Title:	Drawing No.:	Sheets	Rev. Level:	Date:
Summit High Pressure Housing, assembly for Temposonics E-Core position sensors	2000-00-00	1 of 1	1	02-04-19
Summit High Pressure Housing, assembly for Temposonics R-series position sensors	11-01-0090-2	1 of 1	2	02-04-19
Summit High Pressure Housing, assembly for temposonics R-series position sensors	11-01-0080-2	1 of 1	2	02-04-19
Summit High Pressure Housing, assembly for Temposonics R-series position sensors	11-01-0070-2	1 of 1	2	02-04-19
Summit High Pressure Housing, assembly for Temposonics R-series position sensors	11-01-0060-8	1 of 1	8	02-04-19
Summit High Pressure Housing, assembly for Temposonics R-series position sensors	11-01-0050-8	1 of 1	8	02-04-19
Summit High Pressure Housing, assembly for Temposonics R-series position sensors	11-01-0040-9	1 of 1	9	02-04-19
Summit High Pressure Housing, assembly for Temposonics R-series position sensors	11-01-0010-12	1 of 1	12	02-04-19

### SPECIFIC CONDITIONS OF USE: YES as shown below:

- For Tamb below -10°C use field wiring suitable for both minimum and maximum ambient temperatures
- May in addition be marked T3
- Routine overpressure tests according to IEC 60079-1 shall be performed with a minimum overpressure of 29Bar



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

Ambeint temperature range updated, now -40°C to +75°C