

Translation

(1) **EC-Type-Examination Certificate**

(2) Equipment and protective systems intended for use in potentially explosive atmospheres, **Directive 94/9/EC**



(3) **Certificate Number** TÜV 13 ATEX 121172 X

(4) for the equipment: High Pressure Housing for Magnetic Position Sensor


(5) of the manufacturer: **Summit Electronics ApS**

(6) Address: Stamholmen 147, 2950 Hvidovre, Denmark

Order number: 8000420799

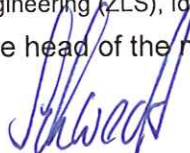
Date of issue: 2014-03-07

- (7) The design of this equipment or protective system and any acceptable variation thereto are specified in the schedule to this EC-Type-Examination Certificate and the documents therein referred to.
- (8) The TÜV NORD CERT GmbH, notified body No. 0044 in accordance with Article 9 of the Council Directive of the EC of March 23, 1994 (94/9/EC), certifies that this equipment or protective system 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 the confidential report No. 14 203 121172.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- EN 60079-0:2012** **EN 60079-1:2007** **EN 60079-31:2009**
- (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 EC-type-examination certificate relates only to the design, examination and tests of the specified equipment in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.
- (12) The marking of the equipment or protective system must include the following:

 II 1/2 G Ex d IIC T5 Gb
II 1/2 D Ex tb IIIC T100°C Db

TÜV NORD CERT GmbH, Langemarckstraße 20, 45141 Essen, notified by the central office of the countries for safety engineering (ZLS), Ident. Nr. 0044, legal successor of the TÜV NORD CERT GmbH & Co. KG Ident. Nr. 0032

The head of the notified body



Schwedt

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(13) **SCHEDULE**

(14) **EC-Type-Examination Certificate No. TÜV 13 ATEX 121172 X**

(15) Description of equipment

The High Pressure Housing is designed for use with a Magnetic Position Sensor. The flameproof enclosure is designed in AISI 316L or 304 Stainless Steel, with a probe which can be placed in Zone 0/20.

Type key:

HPH – abc – efgh – i – s – ATEX (optional)

abcd: Reference to the types stated in table below

efgh: Measuring length – up to 9 meters

i: Approved or Non-approved version

s: S=304 (stainless steel) or "blank"= 316L

Type: abcd	Mounting flange thread/fits	Cable thread top/side thread	Short/long size
0100	M18	Top M20	158 mm / -
0300	M18	Top M20	- / 198 mm
0600	3/4" UNF	Top M20	158 mm / -
0800	3/4" UNF	Top M20	- / 198 mm
0900	M18	Side M20	147 mm / -
0920	M18	Side M20	120mm/-
0950	M18	Side M20	110 mm / -
1000	3/4" UNF	Side ½" NPT	147 mm / -
1300	M18	2 sides M20	147 mm / -
1700	M18	Side M20	- / 198 mm
2100	M18	2 sides M20	- / 198 mm
2600	M18	Side M20	- / 198 mm
3000	Fits Ø25 f7	2 on 1 side M20	120 mm / -
3100	Fits Ø25 f7	2 sides M20	120 mm / -
3200	M18	2 on 1 side M20	120 mm / -
3300	M18	2 sides M20	120 mm / -
3400	Fits Ø25 f7	2 sides 3 M20	120 mm / -
3500	M18	2 sides 3 M20	120 mm / -
4040	M45X2	2 sides 3 M20	120mm/-
4300	M45X2	2 sides M20	147mm/-
4320	M45X2	2 sides M20	120mm/-
4330	M45X2	2 on 1 side M20	120mm/-

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4900	M45X2	Side M20	147mm/-
4920	M45X2	Side M20	120mm/-
5030	M24X1,5	2 on 1 side M20	120 mm / -
5040	M24X1,5	2 sides 3 M20	120mm/-
5300	M24X1,5	2 sides M20	147mm/-
5320	M24X1,5	2 sides M20	120 mm / -
5900	M24X1,5	1 side M20	147 mm / -
5920	M24X1,5	1 side M20	120mm/-

Technical data:

Can be mounted with any Temposonics Transducers with ratings kept within:

Max 24 Vdc
 Max 150 mA
 Max 3,6 W

Permissible range of ambient temperature:

-40°C to +75°C

(16) Test documents are listed in the test report No. 14 203 121172

(17) Special conditions for safe use

- Ambient temperatures are -40 °C to +70 °C
- Only suitable certified cable glands may be used.
- Routine Overpressure tests according to EN 60079-1:2007 shall be performed with a minimum overpressure of 29 bar
- For ambient temperatures below -10 °C use field wiring cable suitable for both minimum and maximum ambient temperatures.
- May in addition be marked T3
- When used in Dust environment, end-user must ensure overcurrent protection rated less than 250 mA according to cl. 4.2.1.2 of IEC 60079-31

(18) Essential Health and Safety Requirements

no additional ones