



## Declaration of Conformity

The manufacturer hereby declares that the following product is according to requirements of the EEC directive 2004/108/EC regarding EMC, and Annex II of the directive 2014/34/EU regarding ATEX

**Manufactured by:** Scancon Encoders A/S  
Huginsvej 8  
3400 Hillerød  
Denmark

**Product:** Shaft and hollow-shaft incremental (optic & magnetic), fiber optic encoders intended for use in potentially explosive atmospheres

**Model(s):** SCA86EX (Shaft encoders)  
SCH86BEX, SCH86FEX (hollow shaft encoders)  
(All types with removable end caps or with fixed cable).

**ATEX Marking:**  II 2 G Ex db IIC T5 Gb  
II 2 D Ex tb IIIC T100°C Db  
-40°C<Tamb<+70°C NOTE 2

**ATEX Certificate number:** ITS09ATEX16841X

**IECEX Marking** Ex db IIC T5 Gb  
Ex tb IIIC T100°C Db  
-40°C<Tamb<+70°C NOTE 2

**IECEX Certificate number:** IECEX ITS 13.0025X

**Issued by:** Intertek Testing & Certification Ltd  
Intertek House, Cleeve Road  
Leatherhead, Surrey KT22 7SB  
Country : United Kingdom Notified  
Notified Body number : 0359


**QPS Marking:** Class I, Div 2, Groups ABCD T5  
Class II, Div 2, Groups FG  
Ex db IIC T5 Gb (Canada)  
Class I, Zone 1, AEx db IIC T5 Gb NOTE 1  
-40°C<Tamb<+70°C NOTE 2

**QPS Certificate number:** LR1192

Note 1: This mark is excluded from **fixed cable** option ... and is replaced by marking "Class I, Zone 2 Group IIC" (or equivalent).

Note 2: Ambient temperature range for **magnetic** encoder type is -50°C to +70°C

**Issued by:** **QPS Evaluation Services Inc Testing, Certification and Field Evaluation Body Accredited in Canada, the USA, and Internationally**  
**81 Kelfield St., Units 7-9,**  
**Toronto, ON M9W 5A3**

**CE Marking:**  The CE-mark on the label is according to the EEC Directive 2004/108/EC regarding EMC and Annex II of the directive 2014/34/EU regarding ATEX.

**A sample of this product has been tested and found to be in conformity with the following standards:**

**EMC**  
EN 61000-6-2:2005 EMC - Part 6-2: Generic standards - Immunity for industrial environments



EN 61000-6-3:2007 EMC - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments  
EN 61326-1:2006 EMC - Electrical equipment for measurement, control and laboratory use - Part 1: General requirements

**ATEX**

EN 60079-0:2018 Explosive atmospheres - Part 0: Equipment - General requirements  
EN 60079-1:2014 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
EN 60079-31:2014 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

**IECEX**

IEC 60079-0:2017  
Ed. 7.0 Explosive atmospheres - Part 0: General requirements  
IEC 60079-1:2014-06  
Ed. 7.0 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
IEC 60079-31:2013  
Ed. 2 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure 't'

**QPS**

- CSA C22.2 No.25-1966(R2004) Enclosures for Use in Class II Groups E, F, and G Hazardous Locations
- CSA C22.2 No.213-2016 Non-incentive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
- CSA 60079-0:2015 Explosive Atmospheres – Part 0: Equipment General Requirements
- CSA 60079-1:2016 Explosive atmospheres – Part 1: Equipment protection by flameproof enclosures "d"
- UL 121201-2017 Non-incendive Electrical Equipment for Use in Class I and II, Division 2
- ISA/ANSI 60079-0-2009 Explosive Atmospheres – Part 0: Equipment General Requirements
- ISA/ANSI 60079-1-2015 Explosive atmospheres – Part 1: Equipment protection by flameproof enclosures "d"

21 February 2019

Date

Eckhard Hahne, Scancon Encoders A/S, Managing Director