

(1) **EC-TYPE EXAMINATION CERTIFICATE**

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

(3) EC-Type Examination Certificate Number: **KEMA 03ATEX2247 U** Issue Number: **2**

(4) Component: **Gas Sensor Type PSH and Type FGD5/6**

(5) Manufacturer: **Status Scientific Controls Ltd**

(6) Address: **Hermitage Lane Industrial Estate, Kings Mill Way, Mansfield, Nottinghamshire NG18 5ER, England**

(7) This component and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) KEMA Quality B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this component 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 confidential report no. 2086492-1.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0 : 2006**

**EN 60079-1 : 2004**

(10) The sign "U" placed after the certificate number indicates that this certificate describes components and must not be mistaken for a certificate intended for an equipment or protective system. This EC-Type Examination Certificate may be used as a basis for certification of an equipment or protective system.

(11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified component according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.

(12) The marking of the component shall include the following:



**II 2 G Ex d IIC**

This certificate is issued on 11 April 2007 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

KEMA Quality B.V.



C.G. van Es  
Certification Manager

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(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate KEMA 03ATEX2247 U Issue No. 2**

(15) **Description**

The Gas Sensor Type PSH and Type FGD5/6 consists of a sensor mounted inside an enclosure in type of protection flameproof enclosures "d" and is used for the detection of gas in a potentially explosive atmosphere.

Ambient temperature range -20 °C ... +60 °C.

Maximum surface temperature +79 °C.

**Electrical data**

Power supply max. 30 Vdc, 3 W

**Installation instructions**

The sensor shall be mounted to an apparatus having a type of protection as mentioned in clause 1 of EN 60079-0, with a compatible threaded entry.

The sensor enclosure shall not be opened when an explosive gas atmosphere is present.

**Functional performance**

The examination of the gas sensor does not include a judgement of the functional performance of the apparatus.

**Routine tests**

None.

(16) **Report**

KEMA No. 2086492-1.

(17) **Special conditions for safe use**

None.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 2086492-1.