



国家防爆

Electrical Apparatus for Explosive Atmospheres

# CERTIFICATE OF CONFORMITY

Cert. No. CNEEx15.0629 X

**Manufacturer** Detcon Inc.  
4055 Technology Forest Drive, The Woodlands, TX 77381, USA

**Name of Product** Gas detection sensor

**Type of Product** FP-700

**Marking** Ex d IIB + H<sub>2</sub> T4 Gb

**Standard** \_\_\_\_\_

**Drawing No.** 3144-1

The drawings, technical documents and the samples are verified and certified according to standard(s) for safety as below:

GB3836.1-2010 《Explosive atmospheres-Part 1: Equipment-General requirements》  
GB3836.2-2010 《Explosive atmospheres-Part 2: Equipment protection by flameproof enclosures "d"》

**Note** See annex.

**Valid Date** March 11, 2015 to March 10, 2020

**Issue Date** March 11, 2015

**Director**



CHINA NATIONAL QUALITY SUPERVISION AND TEST CENTRE  
FOR EXPLOSION PROTECTED ELECTRICAL PRODUCTS

Address: No.20 North Zhongjing Rd, Nanyang, Henan(473008), P.R.China  
Tel: 0377-63258564 Fax: 0377-63208175 [Http://www.china-ex.com](http://www.china-ex.com)



Note: This certificate is only valid for the products which identify with the sample(s) tested and verified. Holder(s) of this certificate have the responsibility to ensure the products complying with relevant standard(s).





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Cert. No. CNEx15.0629X

1. The product has been certified by ATEX, the certificate number is KEMA 06ATEX2152X, test report No.2085724.
2. This certificate covers the following models: FP-700、IR-700、TP-700,  
Ex Marking: Ex d IIB + H<sub>2</sub> T4 Gb.
3. Electrical Data:  
Input rated: 11~30VDC, 85mA max.  
Output: 4~20mA , RS-485 ModBus.
4. Ambient temperature range: -40℃~+75℃.
5. Specific conditions of use
  - (1) The sensor shall be installed on a metallic grounded structure such as the final assembly assures that sensor enclosure is bonded to ground.
  - (2) Proper precautions shall taken during installation, operation, maintenance and service of the product in order to avoid the build-up of static charges on the plastic splashguard.
  - (3) The equipment manufacturer shall be contacted for information on the dimensions of the flameproof joints.
  - (4) The screws holding down the retaining plate are special fasteners of type: stainless steel, philips Pan-head Machine screws, M3×0.5 6g6h having yield strength greater than 40.000PSI.

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