



## FUNCTIONAL SAFETY CERTIFICATE

This is to certify that the

### Ultra IR800 Combustible Gas Detector

manufactured by

#### Gasensor Technology PTE. Ltd

71 Ubi Crescent,  
#04-01 Excalibur Centre,  
408571,  
Singapore.

have been assessed by Sira Certification Service with reference to the CASS methodologies and found to meet the requirements of

#### **IEC 61508:2010 Routes 1<sub>H</sub> & 1<sub>S</sub> Systematic Capability (SC3)**

as an element/subsystem suitable for use in safety related systems performing safety functions up to and including

#### **SIL 2 capable with HFT = 0 (1001)**

when used in accordance with the scope and conditions of this certificate.

\* This certificate does not waive the need for further functional safety verification to establish the achieved Safety Integrity Level (SIL) of the safety related system

Certification Manager:

Initial Certification : 06/03/2018  
This certificate issued : 20/07/2018  
Renewal date : 19/07/2023

This certificate may only be reproduced in its entirety, without any change.



Certificate No.: Sira FSP 18004/01  
Form 7016 issue 5



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#### **Sira Certification Service Part of CSA Group UK**

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