

# Safety Integrity Level Certificate

**Epsilon Certificate Number:**

Epsilon 05SIL1436

**This certificate is issued for the following equipment:**

FL3110 Range of Gas Detectors

**Manufactured and submitted by:**

General Monitors Inc  
Ballybrit Business Park  
Galway  
Republic of Ireland

**This Certificate is issued subject to the conditions of Epsilon Compliance and any additional conditions as may be prescribed.**

**This certificate is based on the assessment carried out and documented in Epsilon report number T234 issue 1.0 dated the 15<sup>th</sup> June 2005 and as such shows that the equipment is suitable for use in the following SIL systems:**

Equipment Model	Safe Failure Fraction	SIL Capability (in unvoted configuration)
UV Options 1-4	96%	SIL 2
UV/IR Options 1-4	98%	SIL 2
IR/IR Option 1-4	97%	SIL 2

The four modes of operation are:

Option 1: 4-20ma and communications

Option 3: Relays

Option 2: Dual communications

Option 4: Current loop

**Standard:**

BS EN 61508-1:2001

**Project Number:**

ETS1414

**Issue Date:**

17<sup>th</sup> August 2005

**Report Number:**

T234

On Behalf of Epsilon Compliance



S L D'Henin  
Certification Manager



**This certificate may only be used in its entirety and without change**