



GENERAL MONITORS

Protection for life.

Safety Integrity Level Certificate

Certified Product(s):

S4000 Series of Gas Detectors

Certificate Issue Date:

November 15, 2005

Manufacturer:

General Monitors, Inc.
26776 Simpatica Circle
Lake Forest, CA 92630 USA

Certificate Number:

GMT – SIL CERT 002

Applicable Standard:

IEC 61508-1:2001

General Monitors Ltd.

Ballybrit Business Park

Galway, Republic of Ireland

Certification Assessment:

The certificate is based on an FMEDA assessment that was conducted internally by General Monitors and validated independently by David J. Smith of Technis (report # T243 and T244) in 2005. Based on this assessment, the equipment is suitable for use in the following SIL applications:

Product	Application Environment	Safe Failure Fraction	Probability of Failure on Demand*	SIL Capability (Un-Voted Configuration)
S4000C	Contaminant Free	> 99%	1.8×10^{-4}	SIL 3
	Contaminated	> 90%	2×10^{-3}	SIL 2
S4000T	Contaminant Free	> 99%	2×10^{-4}	SIL 3
	Contaminated	> 90%	3×10^{-3}	SIL 2

* Assumes a repair time of 4 hours and a proof test interval of 3 months.

This certificate is issued by General Monitors and may only be used in its entirety and without change.

Shafiq Khan

Director of Corporate Quality & Reliability