

General Monitors Inc 26776 Simpatica Cr Lake Forest, CA 92630 United States

Certificate of Compliance to IEC 61508

FM Approvals Certifies herewith that the

Infrared Open Path Detector for Hydrocarbon Gas Application Model IR5500 (Safety Manual [MANOPIRSAFETY])

Complies with the relevant requirements of standards listed below:

Standards	Description	Compliance
IEC 61508-1 2010	Functional Safety of Electronic/Electrical/Programmable	Part 1
	Electronic Safety-Related Systems- General Requirements	
IEC 61508-2 2010	Functional Safety of Electronic/Electrical/Programmable	Part 2
	Electronic Safety-Related Systems	
IEC 61508-3-2010	Functional Safety of Electronic/Electrical/Programmable	Part 3
	Electronic Safety-Related Systems- Software Requirements	

And therefore

IS DECLARED "FIT FOR USE" IN A SIL 3, 2 or 1 1001 Low Demand SAFETY APPLICATION

Models	SIL	HFT	SFF	PFD	λs	λdd	λου
IR5500	3, 2, 1	0	>99%	1.7 X 10⁻⁴	6.77 X 10⁻ ⁶	1.46 X 10⁻⁵	1.02 X 10 ⁻⁷

This certificate is subject to conditions of use presented in FM Approval Report Project ID 3040176, 3055292

9.8. Marguerdin

JÆ. Marquedant Manager of Electrical Systems FM Approvals 1151 Boston-Providence Turnpike, Norwood MA, 02062 USA

18 May 2015

Date



Member of the FM Global Group