



# Certificate of Compliance to IEC 61508

**FM Approvals**  
**Certifies herewith that the**

*IPES Flame Detector*  
 Model IPES-IR/UV  
 (Safety Manual [IPES])

Electrostandart-Pribor  
 No. 35/2, Slavy Avenue  
 Saint Petersburg 192286  
 RUSSIAN FEDERATION

**Complies with the relevant requirements of standards listed below:**

Standards	Description	Compliance
IEC 61508-1 1999	Functional Safety of Electronic/Electrical/Programmable Electronic Safety-Related Systems- General Requirements	Part 1
IEC 61508-2 2000	Functional Safety of Electronic/Electrical/Programmable Electronic Safety-Related Systems	Part 2
IEC 61508-3-2000	Functional Safety of Electronic/Electrical/Programmable Electronic Safety-Related Systems- Software Requirements	Part 3

And therefore

**IS DECLARED "FIT FOR USE" IN A SIL 3, 2, 1**  
**1oo1 Low Demand SAFETY APPLICATION**

Model	SIL	PFD	SFF	$\lambda$ S	$\lambda$ DD	$\lambda$ DU
Analog Output	3	$1.04 \times 10^{-5}$	99%	3.07E-7	2.98E-7	8.37E-9
Relay Output	2	$1.68 \times 10^{-5}$	97%	2.60E-7	2.47E-7	1.44E-8

*This certificate is subject to conditions of use presented in*  
 FM Approval Report Identification: 3036930      Approval Granted:



Member of the FM Global Group

*J.E. Marquédant*  
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