









## FIK-IR3 RESPONSE CHARACTERISTICS

Fuel	Size	Sensitivity	Distance ft. (m)	Average Response Time (s)
N-Heptane	1 x 1 ft.	Extreme	262 (80)	7.1
N-Heptane	1 x 1 ft.	Extreme	230 (70)	3.7
N-Heptane	1 x 1 ft.	High	197 (60)	2.7
N-Heptane	1 x 1 ft.	Medium	98 (30)	2.6
N-Heptane	1 x 1 ft.	Low	49 (15)	1.3
N-Heptane	1 x 1 ft.	Very Low	25 (7.5)	1.0
Gasoline	2 x 2 ft.	Extreme	328 (100)	5.3
Gasoline	1 x 1 ft.	Extreme	230 (70)	2.8
Gasoline	1 x 1 ft.	Medium	98 (30)	1.5
Methane	32-in Plume	Extreme	148 (45)	2.6
Methane	32-in Plume	Medium	82 (25)	0.6
LPG	32-in Plume	Extreme	180 (55)	3.7
LPG	32-in Plume	High	148 (45)	2.6
LPG	32-in Plume	Medium	98 (30)	1.4
LPG	32-in Plume	Low	49 (15)	1.5
LPG	32-in Plume	Very Low	25 (7.5)	1.5
Diesel	1 x 1 ft.	Extreme	164 (50)	2.6
Diesel	1 x 1 ft.	Medium	79 (24)	3.2
JP5	2 x 2 ft.	Extreme	295 (90)	9.4
JP5	1 x 1 ft.	Extreme	164 (50)	4.5
JP5	1 x 1 ft.	High	148 (45)	4.4
JP5	1 x 1 ft.	Medium	79 (24)	1.8
JP5	1 x 1 ft.	Low	39 (12)	10.1
JP5	1 x 1 ft.	Very Low	20 (6)	1.8
Kerosene	1 x 1 ft.	Extreme	164 (50)	3.6
Kerosene	1 x 1 ft.	Medium	79 (24)	2.7
Methanol	1 x 1 ft.	Extreme	131 (40)	4.6
Methanol	1 x 1 ft.	High	125 (38)	4.2
Methanol	1 x 1 ft.	Medium	75 (23)	1.5
Methanol	1 x 1 ft.	Low	39 (12)	1.3
Methanol	1 x 1 ft.	Very Low	18 (5.5)	1.1
Ethanol	1 x 1 ft.	Extreme	125 (38)	4.7
Isopropanol	1 x 1 ft.	Extreme	180 (55)	3.6
Isopropanol	1 x 1 ft.	Medium	75 (23)	1.8
Polypropylene	1 x 1 ft.	Extreme	115 (35)	7.8
Polypropylene	1 x 1 ft.	Medium	66 (20)	2.1
Paper	1 x 1 ft.	Extreme	79 (24)	1.1
Paper	1 x 1 ft.	Medium	39 (12)	1.1
Syngas (30%CH <sub>4</sub> :70%H <sub>2</sub> )	32-in Plume	Extreme	98 (30)	3.3
Syngas (30%CH <sub>4</sub> :70%H <sub>2</sub> )	32-in Plume	Medium	49 (15)	1.3
Wood	1 x 1 ft.	Extreme	148 (45)	4.2
Wood	1 x 1 ft.	Medium	74 (22.5)	2.1

For performance details of models 3 and 5, the following documents are available, on request:

- Model 3 - hangar / helideck; F101V0023.6
- Model 5 - fast response / automotive / spray paint booth applications; F101V0024.06

## PRODUCTS:

### *Gaseous Suppression*



Inert Gas (IG-01, IG-55, IG-100, IG-541)  
Novec 1230™ Fluid (FK-5-1-12)  
FM-200® (HFC-227ea.)  
Carbon Dioxide (CO<sub>2</sub>)  
Hybrid Systems (N<sub>2</sub> / Water)  
Pressure Relief Vents  
Enclosure Integrity Testing Equipment  
Pipe & Fittings

### *Water Suppression*



Water Mist - High Pressure  
Water Mist - Intermediate Pressure  
Water Mist - Low Pressure  
Hybrid Systems (Water / N<sub>2</sub>)  
Monitors & Delivery Systems  
High Speed Deluge

### *Foam Suppression*



Foam Concentrates  
Foam Proportioning  
Foam Delivery Systems  
Compressed Air Foam  
Foam Concentrate Testing

### *Explosion Protection*



Explosion Suppression  
Explosion Isolation  
Explosion Vents & Pressure Relief  
Spark Suppression  
Explosibility Testing

### *Fire Detection*



Linear Heat Detection - Digital  
Linear Heat Detection - Fibre Optic  
Linear Heat Detection - Micro Chip  
Flame Detection  
Video Imaging Detection  
Spark Detection  
Control & Indicating Equipment  
Thermal Imaging Detection  
Aspirating Smoke Detection

### *Military & Defence*



Military Vehicles  
Naval Vessels

### *Special Applications*



Micro Environment  
Oxygen Reduction  
Kitchen Protection Systems  
Dry Chemical  
Vehicle Systems  
Marine & Offshore  
Vapour Mitigation  
Li-Ion Fire Systems

### *Support Services*



Design / Engineering  
Technical Support  
Services & Testing

## Australia

### Head Office

Unit 1, 251 Ferntree Gully Road  
Mt Waverley VIC 3149  
Australia

### Brisbane Office

Unit 7, 93 Rivergate Place  
Murarrie QLD 4172  
Australia

### Perth Office

18 – 20 Ledgar Road  
Balcatta WA 6021  
Australia

### Sydney Office

Unit 5, 11 Reliance drive Tuggerah  
NSW 2259  
Australia

**1300 742 296**

[www.fire-protection.com.au](http://www.fire-protection.com.au)  
[enquiries@fire-protection.com.au](mailto:enquiries@fire-protection.com.au)

## New Zealand

### Auckland Office

Unit 2, 13 Airborne Road  
Albany North Shore 0632  
New Zealand

**0011 64 9415 5488**

[www.fire-protection.net.nz](http://www.fire-protection.net.nz)



**‘Every solution for your special hazard problems’**