# MICROPACK FIRE AND GAS



## **FLAME DETECTION**

Over 20 years of flame detection innovation

micropackfireandgas.com



## **Intelligent Visual Flame Detection**

## Visible flame detection using spatially aware near IR camera



**Diesel Fire** 



CE (Ex) (i) APPRIVED

**N-Heptane Fire** 



Methane Fire

IEC IECEx

VdS

DNV-GL

#### **Benefits**

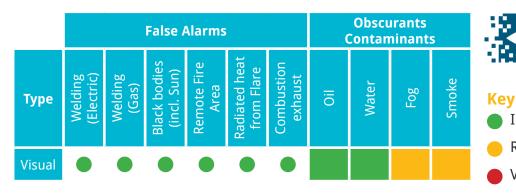
- Extended range Pizza slice field of view
- Detects all visible fires
- No mirror optical check
- Unrivalled false alarm immunity, including to exhaust emissions and flare reflections
- Fixed sensitivity spatial detection using machine vision
- Not desensitized by sunlight or hot process equipment
- Performance Approvals FM3260, EN54-10
- Hazardous Area Approvals ATEX, IECEx, FM
- Marine approved
- Heated optics
- SIL 2 capable



Insensitive

Reduce sensitivity

Very sensitive







## **Multi Spectrum IR Flame Detection**

## Hydrocarbon flame detection using 3 IR wavelengths



**Diesel Fire** 



**Methanol Fire** 

CE (Ex



Methane Fire

FM

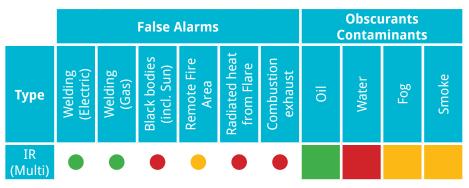
APPROVED

IEC. TECEX

#### **Benefits**

- Long range Tear drop field of view
- Detects all hydrocarbon Fires
- No mirror optical check
- Excellent immunity to false alarms
- Adjustable sensitivity:
  - For application flexibility
  - Ensure detectors do not cross vote
- Performance Approvals FM3260, EN54-10
- Hazardous Area Approvals ATEX, IECEx, FM
- Heated optics
- SIL 2 capable

















Formed in 1996, the Scottish company Micropack (Engineering) Ltd is one of the world's leading flame detection manufacturers and suppliers of fire and gas mapping services, which includes providing F&G software, training, engineering and consultancy.

To find out how we could support your business with your fire and gas detection needs, please get in touch.

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