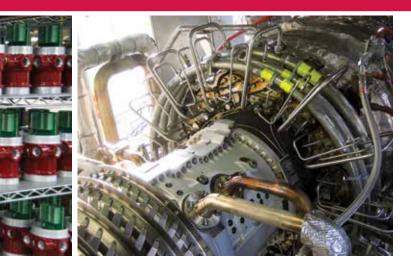
The Most Versatile Flame Detectors in the World



Optical Flame Detection Solutions



The Global Leader in Flame Detection



Flame detection is the very essence of the proud legacy at Det-Tronics. Simply stated, Det-Tronics is the leading choice for flame detection around the world because of:

- Performance—unsurpassed excellence in total coverage, field of view and range
- Reliability—superior protection of people, products and property
- Technology—patented signal processing and precision optics support the widest spectrum of applications

Superior Performance and Reliability



TESTED AND PROVEN

All detectors pass rigorous flame testing, including exposure to multiple fuel sources and at varying ranges, both on and off axis. Skilled engineers also simulate specific applications to ensure uncompromising safety and performance.

- **1** Heated optics for frigid or humid conditions
- Integrated wiring compartment for ease of installation
- Rugged aluminum or stainless steel construction for optimum environmental protection
- Vibration-resistant mounting arm to ensure stability and maximize performance
- Factory-calibrated automatic Optical Integrity
 (oi) function to ensure continuous operation
- 6 Integrated data logger for event, time and date stamping

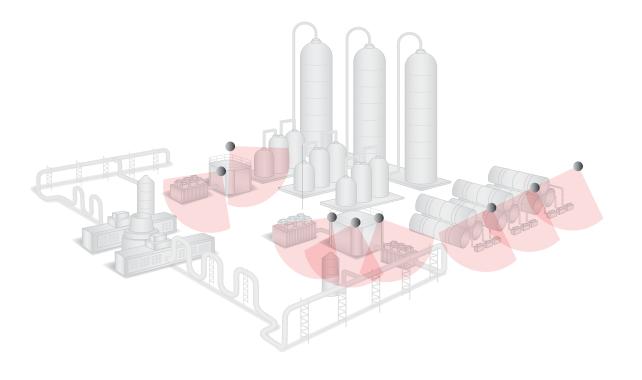
Superior Protection

FLAME COVERAGE

Broad field of view and range capabilities

ADVANCED DETECTION

Detect fires using UV, UVIR, IR or MIR technology



Det-Tronics offers advanced flame detection technologies and high-performance solutions that are:

- Certified SIL 2 Capable for safety compliance
- Performance certified to FM 3260, EN 54 and VNIIPO to respond to a multitude of fuel sources
- NFPA 72 compliant LON output for safety system integration



X5200 UVIR Flame Detector with Q9033B Stainless Steel Mounting Arm

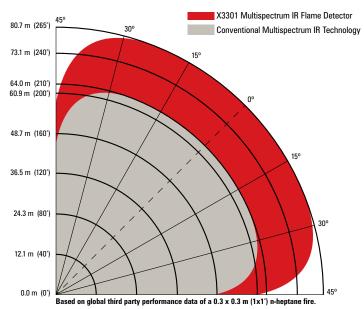
X3301 Multispectrum Infrared Flame Detector with Q9033A Aluminum Mounting Arm

A Proven Choice Around the World

Flame Detectors from Det-Tronics



SUPERIOR PERFORMANCE OF THE X3301 MULTISPECTRUM INFRARED FLAME DETECTOR

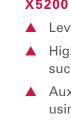


- The world's foremost flame detector, approved for the widest range of hydrocarbon fires
- ▲ Performance approved at 81m (265') for a 0.3 x 0.3m (1x1') n-Heptane fire
- ▲ Best in class for flame detection coverage and false alarm rejection
- Patented detection algorithms, optics and signal processing ensure reliable performance
- Marine approved for deck installation offshore



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X3302 MULTISPECTRUM INFRARED FLAME DETECTOR

- Proven technology for fast detection of invisible hydrogen flames and methanol
- Performance approved at 38m (125'), on axis, for a 0.76m (30") hydrogen plume fire
- Ideal for hydrogen storage, aerospace, battery rooms, refining and filling stations

X5200 ULTRAVIOLET/INFRARED FLAME DETECTOR

- ▲ Leverages UV and IR technologies to detect fire
- ▲ High-speed, versatile detector for specialty applications, such as munitions and aerosol filling
- ▲ Auxiliary relay offers the flexibility to customize detection, using UV, IR or both

X9800 INFRARED FLAME DETECTOR

- Quick Fire technology for high-speed detection in areas with infrared sources
- ▲ Time Domain Signal Analysis (TDSA) provides superior detection capability while rejecting false alarm sources
- Reliable detector for powder coating, paint spray booths, printing and industrial processes

X2200 ULTRAVIOLET FLAME DETECTOR

- ▲ Ultraviolet sensor and advanced algorithm for rapid detection and false alarm immunity
 - Responds to unusual fire types, such as metal and sulfur
- Superior signal processing meets stringent requirements for ultra high-speed response

Innovative Flame and Safety Solutions

Select from Proven Products for Your Safety Needs

X3301



EAGLE QUANTUM PREMIER® (EQP) SAFETY SYSTEM

- ▲ Combines gas and flame detection with extinguishing agent release capability in a single integrated solution
- ▲ Certified SIL 2 Capable
- ▲ NFPA 72 compliant
- ▲ Redundant, fault-tolerant loop reduces installation costs

NCE APPROVED RANGE (FM)	X3301 Multispectrum Infrared	
n-Heptane 0.3m x 0.3m (1x1')	81m (265')	
Diesel 0.3m x 0.3m (1x1')	53m (175')	
Methanol 0.3m x 0.3m (1x1')	46m (150')	
Methane 0.81m (32")	38m (125')	
Propane 0.81m (32")	38m (125')	
Hydrogen 0.76m (30")		
Black Powder 40g		
Jet-A 0.3m x 0.3m (1x1')	46m (150')	



DETECTOR APPLICATION

PERFORMANCE APPROVED

DETECTION

Multispectrum Multispectrum Infrared

Refinery		
Platform		
Pipeline		
Tank Farm		
Loading Rack		
Petrochemical		
FPSO		
Marine		
Turbine Enclosure		
Hydrogen		
Ammonia		
Electrostatic Paint		
Munitions		
Metal		
Printing		
Powder Coating		
Transformer		
Battery Room	•	
Warehousing		
Aerosol Fill		
Hangar		
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ACCESSORIES







Stainless Steel Mounting Arm

Aluminum Mounting Arm

X-Series Weather Shield

Universal Air Shield Assembly

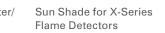


Collar Attachment



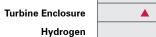
Flange Mount







Inspector Software



Transformer
Battery Room
Warehousing
Aerosol Fill
Hangar

▲ Highly Recommended

Recommended

X3302 Multispectrum Infrared	X5200 Ultraviolet/ Infrared	X9800 Infrared	X2200 Ultraviolet
	26m (85')	26m (85')	26m (85')
21m (70')			
16.8m (65')	20m (65')	18m (60')	30.5m (100')
38m (125')			
	3m (10')	3m (10')	3m (10')



X3302

Infrared



X5200 Ultraviolet/ Infrared



X9800 Infrared



X2200 Ultraviolet

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A Global Leader in Fire and Gas Safety Systems

SAFETY & PROTECTION — SINCE 1973







MITIGATING FIRES



PROTECTING LIVES







92-1068-2.9 (US)



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