



3 x 3-Channel Fast Flame Detector



YMX5000
(control unit)



YMX5000 3GD
(control unit)



YMX5000 FMX
(sensor unit)



YMX5000 AF
(Installation kit)

The new UniVario YMX5000 industrial fire detector consists of a control unit and up to three remote sensor units for fast flame detection. The YMX5000 FMX sensor units are connected to the control unit via cables, enabling application in confined spaces. The sensor units are designed to detect open flames that can occur during the combustion of materials containing carbon, such as methane, oil products, plastics, and wood.

The sensor unit is also available in an EX version, suitable for use in explosion-hazardous zones 1, 2, 20, 21 and 22.

Approvals¹:

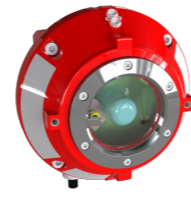


¹ Approvals depending on detector variant and type, please check the relevant technical documentation for further details.

Ultraviolet Flame Detectors



FMX5000 UV



FMX5000 UV 3GD

3-Channel Infrared Flame Detectors



FMX5000 IR



FMX5000 IR 3GD



FMX5000 IR Ex

Standard Heat Detectors (up to 90°C)



WMX5000



WMX5000 3GD



WMX5000 Ex

High Temperature Heat Detectors FS (up to 850°C)



WMX5000 FS



WMX5000 FS 3GD



WMX5000 FS Ex

UniVario Variants

The **standard UniVario** variants are suitable for all applications without explosion hazards and can be easily converted to analogue addressable detectors.

The **3GD series detectors** are suitable for applications in zones 2 (gas) and 22 (dust) and can also be converted to ring analogue addressable detectors.

UniVario Standard and 3GD detectors can be connected to any other panel by using relay modules.

The **UniVario Ex series detectors** are suitable for zones 1 (gas) and 20, 21 (dust).

An additional electronic safety barrier is used for the UniVario Ex series.

Typical Applications	FMX5000 UV	FMX5000 IR	WMX5000	WMX5000 FS	YMX5000 FMX
Exhaust gas ducts and ventilation ducts				•	•
Fuel storage/chemical storage		•			•
Chemical production		•		•	•
Chip/semi-conductor production (silane)	•			•	•
Printing companies, printing machines	•	•	•		•
Aircraft and helicopter hangars	•	•			
Combined heat and power stations and coal-fired power plants		•			•
Fiberboard presses (heat tunnels)				•	•
Wood processing industry		•			•
Fuel tanks	•		•		
Paint spraying installations			•		•
Motor test beds		•		•	•
Waste recycling plants		•	•		•
Offshore installations		•			
Pump stations		•			
Tank farms	•	•			
Transformers			•		
Dryers				•	•
Compressor station (natural gas)	•	•			•
Machine tools			•	•	•
Machine tools (Mg/Al/Ti dry processing)	•				