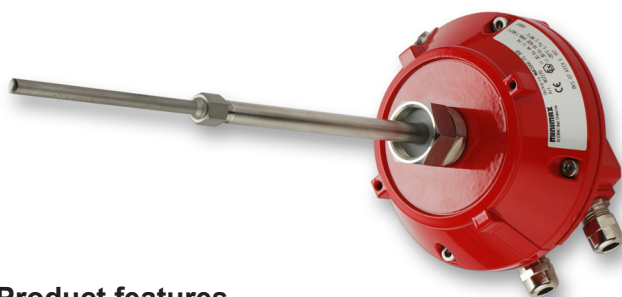




Industrial detectors

Thermal detection - UniVario High temperature heat detector FS, Ex

WMX5000 FS 3GD 400°C (752 °F)



Product features

- Robust stainless steel heat rod sensor
- Freely configurable response temperatures and categories in accordance with EN 54-5, along with rate-of-rise and static responses. Configuration via DIP switches on the detector or SMX5000 service device
- Service interface, history memory
- Connection of remote indicator possible
- For use in Ex zones 2 and 22, Atex category 3, Gas/Dust

Technical specifications

Detection method	PT1000 sensor
Response categories	A1, A2, B, C, D, E, F, G, indices S, R
Response temperatures	0 °C to +400 °C (+32 °F to +752 °F)
Operating voltage	7.6 V - 30 V DC
Quiescent current	approx. 0.25 mA
Alarm current consumption	approx. 15 mA
Alarm indication	1 red LED
Normal operation indication	1 green LED, flashing
Fault indication current	approx. 15 mA
Fault indication	1 yellow LED (2nd line)
Operating temperature	-40 °C to +80 °C (-40 °F to +176 °F)
IP rating (EN 60529)	IP 66/67
Enclosure material	Diecast aluminum
Relative humidity	max. 95% no condensation
Specification according to	EN 54-5
Sensor rod	150 - 1500 mm
Weight	520 - 1600 g (1.2 - 3.5 lbs)
Dimensions	130 x 210 - 130 x 1560 mm (dia.xH) 5.1 x 83 - 5.1 x 61.4 inch (dia.xH)

Part no.: 907270

The WMX5000 FS 3GD high temperature heat detectors are ATEX-approved for category 3, gas and dust, and are suitable for use in Ex zones 2 and 22. They have been specially designed for operation in industrial environments with aggressive media and very high application temperatures in the monitoring area.

For example in exhaust ducts, engine test stands or machine tools. In addition to stated temperature detection, rapid rises in temperature can also be registered by the rate-of-rise method, for early fire detection. Equipped for operation as a conventional detector. Extension to a detector with Loop AP protocol via the KMX5000 AP communication module.

Optional accessories

Remote indicator	908499
KMX5000 AP communication module	905883
Relay module KMX5000 RK 3GD	925999
Silicone-free design	

Not included in delivery

UniVario base	
Single hole mounting fixture	800034
Single hole mounting tool	843474
Terminating resistor 1.8 K / 0.5 W	675235

Connection / mounting

Connection cable standard detector	2-wire
Additional fault line connection	2-wire
Remote indication	2-wire
Recommended cable	JY (St) Y 2x2x0.8 mm (0.03 inch)
Conductor cross-section	max. 2.5 mm ² (AWG 13)

Note

Deviating from the defined standard lengths, the sensor rod can be ordered in lengths of 150 - 1500 mm, see ordering table page 2/2.











Approvals / marking

Type examination certificate (Minimax): BVS 07 ATEX E 157
Type examination certificate (Viking): BVS 18 ATEX E 076
Ex approval in acc. with NEC 500/505



Industrial detectors

Thermal detection - UniVario High temperature heat detector FS, Ex

Brand	Designation	Sensor rod (mm)	Order no.	Approvals / markings
Minimax	WMX5000 FS 3GD L200 MX	200	907281	 G 207091  0786-CPR-20281   
	WMX5000 FS 3GD L200 MX SF*		927744	
	WMX5000 FS 3GD L400 MX	400	907282	
	WMX5000 FS 3GD L400 MX SF*		927747	
	WMX5000 FS 3GD L600 MX	600	907283	
	WMX5000 FS 3GD L600 MX SF*		927751	
Viking	WMX5000 FS 3GD L200 VK	200	927745	 G 221019  0786-CPR-21767   
	WMX5000 FS 3GD L200 VK SF*		927746	
	WMX5000 FS 3GD L400 VK	400	927748	
	WMX5000 FS 3GD L400 VK SF*		927749	
	WMX5000 FS 3GD L600 VK	600	927752	
	WMX5000 FS 3GD L600 VK SF*		927753	

* silicone-free

** Variable length 150 - 1500 mm available for order. The length of the sensor rod must be specified in mm when ordering.