

Manufacture's Declaration

10000114259/07



Use of MSA gas detector type ULTIMA X5000 for the measurement of flammable gases and vapours also in conjunction with MSA control Systems SUPREMA, 9010/9020/SIL and GasGard XL

We, **MSA Europe GmbH, Schlüsselstrasse 12, 8645 Rapperswil-Jona, CH - Switzerland** hereby declare that the ULTIMA X5000 certified by Sira (Sira 17 ATEX 1049 X) as an explosion protected electrical apparatus is able to measure following listed gases and vapours in the measuring range of 0-100 %LEL in air

Gas/Vapour	CAS No.	Display correlates to		t _{50/s}	t _{90/s}
Acrylonitrile*	107-13-1	40 % LEL	Propane 0,85 Vol%	< 13	< 35
Ammonia	7664-41-7	21 % LEL	Propane 0,85 Vol%	< 6	< 17
n-Butane	106-97-8	52 % LEL	Propane 0,85 Vol%	< 9	< 25
2-Butene	590-18-1	42 % LEL	Propane 0,6 Vol%	< 10	< 29
Ethanol	64-17-5	43 % LEL	Propane 0,85Vol%	< 10	< 40
Ethylene	74-85-1	42 % LEL	Propane 0,85 Vol%	< 11	< 22
Hydrogen	1333-74-0	21 % LEL	Propane 0,6 Vol%	< 10	< 22
n-Nonane***	111-84-2	71 % LEL	Propane 0,6 Vol%	< 13	< 52
Propylene	115-07-1	40 % LEL	Propane 0,85 Vol%	< 6	< 16
Styrene*/**	100-42-5	70 % LEL	Propane 0,85 Vol%	< 22	< 118
Xylene	1330-20-7	78 % LEL	Propane 0,85 Vol%	< 8	< 56

For use also in conjunction with following certified Control systems

Control System	EU Type Examination certificate	Notified Body
SUPREMA	DMT 03 ATEX G 003 X	DEKRA EXAM GmbH
9010/9020 SIL	BVS 16 ATEX G 001	DEKRA EXAM GmbH
GasGard XL	FTZU 07 ATEX 0066 X	FTZU s.p.

The calibration/ adjustment procedure must be carried out in accordance with the operating instructions.


The calibration of the gas detector ULTIMA X5000 must be carried out in accordance with EN 60079-29-2 or local requirements.

*In case of longer exposure of this above mentioned Gas/vapours, a calibration according to EN 60079-29-2 must be carried out.

**The response time T₉₀ is out of standard, the alarm threshold for this substance should be set as low as possible.

***The sensitivity of the sensor to the gas/vapor is lower > maybe shorter service life of the sensor can occur.

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Ingmar Bönig
European Product Compliance Manager
MSA Technologies and Enterprise Services GmbH
Thiemannstrasse 1
12059 Berlin