

Manufacture's Declaration

10000080917/11



Use of MSA gas detector type Prima XIR 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 **Prima XIR** certified by FM Approvals Europe Ltd. (FM 21 ATEX 0083X) 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.	Curve	Display correlates to		t _{50/s}	t _{90/s}
Diethylether*	60-29-7	2	50 %LEL	Diethylether 0,85 Vol%	< 13	< 30
Petroleum Benzine 100/140*	64742-82-1	2	91 % LEL	Propane 0,6 Vol%	< 4	< 16
Petroleum Benzine 80/110*		2	72 % LEL	Hexane 0,5 Vol%	< 8	< 20
Petroleum Benzine 60/95*		2	43 % LEL	Methane 2,5 Vol%	< 9	< 22
Exxsol DSP 80/110*		2	69 % LEL	Propane 0,85 Vol%	< 9	< 20
Methyl isobutyl ketone (MIBK)*	108-10-1	2	50 % LEL	MIBK 0,6 Vol%	< 13	< 27
Methylisobutylketon	108-10-1	2	35 % UEG	Propan 0,6 Vol%	< 8	< 18
Methyl methacrylate (MMA)*	80-62-6	2	55 % LEL	Propane 0,6 Vol%	< 5	< 24
n-Methylmorpholine*	109-02-4	2	40 % LEL	Propane 0,6 Vol%	< 3	< 15
Ethylene*	74-85-1	3	50 % LEL	Ethylene 1,15 Vol%	< 12	< 25
Ethylene oxide (ETO)	75-21-8	3	47 % LEL	Propane 0,6 Vol%	< 4	< 25
n-Heptane*	142-82-5	2	57 % LEL	Propane 0,6 Vol%	< 13	< 27
Ethanol*	64-17-5	3	33 % LEL	Propane 0,6 Vol%	< 10	< 27
Methanol*	67-56-1	3	22 % LEL	Propane 0,6 Vol%	< 11	< 28
Chlorobenzene	108-90-7	3	94 % LEL	Ethylene 1,15 Vol%	< 6	< 19
4-Methoxytoluene	104-93-8	3	70 % LEL	Ethylene 1,15 Vol%	< 6	< 16
Methyl-tert-butylether	1634-04-4	2	35 % LEL	Propane 0,6 Vol%	< 14	< 25
Diisopropylether*	108-20-3	2	52 % LEL	Propane 0,6 Vol%	< 7	< 16

*The linearity from 60 %LEL is out of deviation based on EN 60079-29-1

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
9010/9020 LCD	INERIS 00 ATEX 0028 X	INERIS
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 Prima XIR Plus must be carried out in accordance with EN 60079-29-2 or local requirements.

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