

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



ADOS GmbH, 52078 Aachen, Germany

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
GTR 210 (variant IP54)	fixed	BVS 12 ATEX G 001 X	06/12/2012	alkanes (methane to nonane)	catalytic combustion	0 - 100 % LEL
GTR 210 (variant IP66)	fixed	BVS 12 ATEX G 001 X N1	15/10/2013	alkanes (methane to hexane)	catalytic combustion	0 - 100 % LEL
GTR 210 (variant IP54)	fixed	BVS 12 ATEX G 001 X N2	06/10/2016	hydrogen, ethanol, ammonia	catalytic combustion	0 - 100 % LEL
GTR 210 (variant IP66)	fixed	BVS 12 ATEX G 001 X N2	06/10/2016	hydrogen, ethanol, ammonia	catalytic combustion	0 - 100 % LEL
GTR 210 Ex (variant IP66)	fixed	BVS 12 ATEX G 001 X N3	08/10/2019	oxygen	electrochemical sensor	0 - 25 %(v/v)
GTR 210 Ex (variant IP54)	fixed	BVS 12 ATEX G 001 X N4	19/05/2020	n-alkanes (methane to hexane), hydrogen, ethanol	catalytic combustion	0 - 100 % LEL
GTR 210 Ex (variant IP66)	fixed	BVS 12 ATEX G 001 X N4	19/05/2020	n-alkanes (methane to hexane), hydrogen, ethanol	catalytic combustion	0 - 100 % LEL
GTR 210 Ex (variant IP66)	fixed	BVS 12 ATEX G 001 X N4	19/05/2020	methane, propane	infrared absorption	0 - 100 % LEL
GTR 210 Ex (variant IP66)	fixed	BVS 12 ATEX G 001 X N4	19/05/2020	oxygen	electrochemical sensor	0 - 25 %(v/v)

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Bernath Atomic GmbH & Co. KG, 30974 Wennigsen, Germany

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
BA 3010 EuroFID (inline version)	fixed	BVS 03 ATEX G 019 X	18/12/2003	propane, acetone, methanol, ethanol, ethyl acetate	flame ionisation	0 - 100 % LEL
BA 3010 EuroFID (inline version)	fixed	BVS 03 ATEX G 019 X N1	19/10/2004	see BVS 03 ATEX G 019 X	flame ionisation	0 - 100 % LEL

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Bieler + Lang GmbH, 77855 Achern, Germany

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
GMC 8022, GMC 8022E	fixed, control unit	BVS 03 ATEX G 007 X	04/07/2003	combustible gases according to used remote sensor	not applicable	0 - 100 % LEL
GMC 8022, GMC 8022E	fixed, control unit	BVS 03 ATEX G 007 X N1	05/07/2004	combustible gases according to used remote sensor	not applicable	0 - 100 % LEL
GMC 8022, GMC 8022E	fixed, control unit	BVS 03 ATEX G 007 X N2	28/02/2011	combustible gases according to used remote sensor	not applicable	0 - 100 % LEL
GMC 8022, GMC 8022E/4-20	fixed, control unit	BVS 03 ATEX G 007 X N3	19/12/2016	combustible gases according to used remote sensor	not applicable	0 - 100 % LEL
GMC 8022 H	fixed, control unit	BVS 03 ATEX G 008 X	04/07/2003	combustible gases according to used remote sensor	not applicable	0 - 100 % LEL

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Control Instruments Corporation, Fairfield, New Jersey 07004, USA

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Prevex model 670 FTA	fixed	DMT 03 ATEX G 001 X	28/05/2003	propane, acetone, benzene, 2-butanone, ethanol, ethyl acetate, n-hexane, 2-propanol, Shellsol 60/95	flame temperature	0 - 80 % LEL
				n-heptane, o-xylene, toluene	flame temperature	0 - 70 % LEL
Prevex model 670 FTA	fixed	DMT 03 ATEX G 001 X N2	30/09/2004	see DMT 03 ATEX G 001 X		
Prevex model 670 FTA	fixed	DMT 03 ATEX G 001 X N3	17/12/2007	see DMT 03 ATEX G 001 X		
Prevex model 670 FTA	fixed	DMT 03 ATEX G 001 X N4	17/03/2008	see DMT 03 ATEX G 001 X		
Prevex model 670 FTA	fixed	DMT 03 ATEX G 001 X N5	19/05/2016	see DMT 03 ATEX G 001 X		
Prevex model 670 FTA	fixed	DMT 03 ATEX G 001 X N6	12/12/2018	see DMT 03 ATEX G 001 X		
Prevex model 670 FTA	fixed	DMT 03 ATEX G 001 X N7	21/10/2020	see DMT 03 ATEX G 001 X		

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Dräger Safety AG & Co. KGaA, 23560 Lübeck, Germany

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Sensing head SE Ex PR M.. with control unit Polytron	fixed, remote sensor and control unit	DMT 97 ATEX E 006 X N1	31/08/1999	methane, propane, n- butane, hydrogen, ethylene, dimethyl ether	catalytic combustion	0 - 100 % LEL
Sensing head SE Ex PR M.. with control unit Polytron	fixed, remote sensor and control unit	DMT 97 ATEX E 006 X N2	21/12/1999	acetone, ammonia, benzene, special boiling point spirit 065/095, 1,3- butadiene, cyclopropane, diethyl ether, n-butyl acetate, ethyl acetate, ethylene oxide, methanol, ethanol, 2-propanol, n-hexane, n-octane, n-nonane, methyl ethyl ketone, propene, toluene	catalytic combustion	0 - 100 % LEL
Sensing head SE Ex PR M.. with control unit Polytron	fixed, remote sensor and control unit	DMT 97 ATEX E 006 X N3	07/09/2000	acetylene, n-pentane, 1,2-propylene oxide	catalytic combustion	0 - 100 % LEL

Dräger Safety AG & Co. KGaA, 23560 Lübeck, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Sensing heads SE Ex PR M and SE Ex HT M with control unit Polytron	fixed, remote sensor and control unit	DMT 97 ATEX E 006 X N6	31/03/2008	see DMT 97 ATEX E 006 X N1-N3	catalytic combustion	0 - 100 % LEL
Polytron 2 IR	fixed, remote sensor	DMT 97 ATEX E 003 X N2	02/12/1999	methane, propane, ethylene, n-hexane	infrared absorption	0 - 100 % LEL
Polytron 2 IR	fixed, remote sensor	DMT 97 ATEX E 003 X N3	30/05/2000	see DMT 97 ATEX E 003 X N2	infrared absorption	0 - 100 % LEL
Polytron 2 IR Ausf./Style 334	fixed, remote sensor	DMT 97 ATEX E 003 X N5	28/06/2001	methane, propane, ethylene	infrared absorption	0 - 100 % LEL
Polytron 2 IR Ausf./Style 334	fixed, remote sensor	DMT 97 ATEX E 003 X N6	18/12/2001	acetone, n-butane, ethanol, ethyl acetate, n-hexane, methanol, n-octane, n-pentane, propene, 2-propanol, toluene	infrared absorption	0 - 100 % LEL
Polytron 2 IR	fixed, remote sensor	DMT 97 ATEX E 003 X N7	03/03/2004	see DMT 97 ATEX E 003 X N2	infrared absorption	0 - 100 % LEL
Polytron 2 IR Ausf./Style 334	fixed, remote sensor	DMT 97 ATEX E 003 X N7	03/03/2004	see DMT 97 ATEX E 003 X N5 and N6	infrared absorption	0 - 100 % LEL

Dräger Safety AG & Co. KGaA, 23560 Lübeck, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Polytron 2 IR type 340	fixed, remote sensor	DMT 97 ATEX E 003 X N8	09/06/2004	propane, n-hexane	infrared absorption	0 - 100 % LEL
Polytron 2 IR Ausf./Style 334	fixed, remote sensor	DMT 97 ATEX E 003 X N10	22/10/2004	benzene, n-butyl acetate, ethylene oxide, 2-butanone (MEK), 4-methyl-2-pentanone (MIBK), allyl chloride, 1,2-dichloropropane, 1,3-dichloropropene, epichlorohydrin, chlorobenzene, propylene oxide, styrene, 1-methoxy-2-propanol	infrared absorption	0 - 100 % LEL
Polytron 2 IR Ausf./Style 334	fixed, remote sensor	DMT 97 ATEX E 003 X N11	06/09/2005	see DMT 97 ATEX E 003 X N5, N6 and N10	infrared absorption	0 - 100 % LEL
Polytron 2 IR type 340	fixed, remote sensor	DMT 97 ATEX E 003 X N11	06/09/2005	see DMT 97 ATEX E 003 X N8	infrared absorption	0 - 100 % LEL
Polytron 2 IR	fixed, remote sensor	DMT 97 ATEX E 003 X N12	18/11/2005	see DMT 97 ATEX E 003 X N2	infrared absorption	0 - 100 % LEL

Dräger Safety AG & Co. KGaA, 23560 Lübeck, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Polytron 2 IR type 334	fixed, remote sensor	DMT 97 ATEX E 003 X N12	18/11/2005	see DMT 97 ATEX E 003 X N5, N6 and N10	infrared absorption	0 - 100 % LEL
Polytron 2 IR type 340	fixed, remote sensor	DMT 97 ATEX E 003 X N12	18/11/2005	see DMT 97 ATEX E 003 X N8	infrared absorption	0 - 100 % LEL
Polytron 1 O2	fixed, remote sensor	DMT 01 ATEX E 007 X N1	03/07/2003	oxygen	electrochemical sensor	0 - 25 %(v/v)
Miniwarn	portable, multi gas detector	DMT 98 ATEX E 019 X N3	08/08/2003	methane	catalytic combustion	0 - 100 % LEL
Multiwarn II	portable, multi gas detector	DMT 02 ATEX E 064 X N2	08/08/2003	methane	catalytic combustion	0 - 100 % LEL
				methane	thermal conductivity	0 - 100 %(v/v)
				oxygen	electrochemical sensor	0 - 25 %(v/v)
Multiwarn II	portable, multi gas detector	DMT 02 ATEX E 064 X N3	10/02/2004	methane	catalytic combustion	0 - 100 % LEL
				methane	thermal conductivity	0 - 100 %(v/v)
				oxygen	electrochemical sensor	0 - 25 %(v/v)

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equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
control unit Polytron	fixed, control unit	BVS 03 ATEX G 018 X	19/12/2003	combustible gases according to used remote sensor	not applicable	0 - 100 % LEL
Polytron IR Ex	fixed, remote sensor	DMT 02 ATEX E 178 X N1	26/01/2004	methane	infrared absorption	0 - 20 % LEL
				xylene (isomer mixture), propene		0 - 50 % LEL
				cyclohexane		0 - 60 % LEL
				methyl butyl ketone, n- butyl acetate, i-butane, n- butene		0 - 70 % LEL
				propane, cyclopentane, ethyl acetate, dimethyl ether, n-pentane, methyl ethyl ketone, acetone, 2-propanol, n-octane, toluene, ethanol, metha- nol, n-butane, Actrel 1156, Actrel 3356 D, Shellsol TK		0 - 100 % LEL
methane	0 - 100 % (v/v)					

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equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Polytron Ex	fixed, remote sensor	BVS 03 ATEX E 160 X N1	30/04/2004	methane, propane, n-butane, hydrogen, ethylene, dimethyl ether, acetone, ammonia, benzene, special boiling point spirit 065/095, 1,3- butadiene, cyclopropane, diethyl ether, n-butyl acetate, ethyl acetate, ethylene oxide, methanol, ethanol, 2-propanol, n-hexane, n-octane, n-nonane, methyl ethyl ketone, propene, toluene, acetylene, n-pentane, 1,2-propylene oxide	catalytic combustion	0 - 99 % LEL
X-am 7000	portable, multi gas detector	BVS 03 ATEX E 371 X N1	22/10/2004	propane	catalytic combustion	0 - 100 % LEL
				oxygen	electrochemical sensor	0 - 25 %(v/v)
X-am 7000	portable, multi gas detector	BVS 03 ATEX E 371 X N4	17/05/2005	methane, propane	infrared absorption	0 - 100 % LEL

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equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
X-am 7000	portable, multi gas detector	BVS 03 ATEX E 371 X N5	09/06/2005	methane, propane	catalytic combustion	0 - 100 % LEL
X-am 7000	portable, multi gas detector	BVS 03 ATEX E 371 X N7	22/02/2008	n-nonane	catalytic combustion	0 - 100 % LEL
X-am 7000	portable, multi gas detector	BVS 03 ATEX E 371 X N8	22/07/2010	alkanes (methane to nonane)	catalytic combustion	0 - 100 % LEL
				see BVS 03 ATEX E 371 X N4	infrared absorption	0 - 100 % LEL
X-am 7000	portable, multi gas detector	BVS 03 ATEX E 371 X N10	21/12/2011	alkanes (methane to nonane)	catalytic combustion	0 - 100 % LEL
X-am 7000	portable, multi gas detector	BVS 03 ATEX E 371 X N11	27/05/2013	methane	catalytic combustion	0 - 5 %(v/v)
				oxygen	electrochemical sensor	0 - 25 %(v/v)
Polytron 7000 (type P3U)	fixed, remote sensor	BVS 03 ATEX E 406 X N1	23/06/2005	oxygen	electrochemical sensor	0 - 25 %(v/v)
Polytron 7000 (type P3U)	fixed, remote sensor	BVS 03 ATEX E 406 X N3	30/04/2007	oxygen	electrochemical sensor	0 - 25 %(v/v)

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equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Polytron 7000 (type P3U)	fixed, remote sensor	BVS 03 ATEX E 406 X N4	15/10/2010	oxygen	electrochemical sensor	0 - 25 %(v/v)
Polytron 7000 (type P3U)	fixed, remote sensor	BVS 03 ATEX E 406 X N5	27/05/2011	oxygen	electrochemical sensor	0 - 25 %(v/v)
Polytron 7000 (type P3U)	fixed, remote sensor	BVS 03 ATEX E 406 X N10	18/11/2019	oxygen	electrochemical sensor	0 - 25 %(v/v)
DraegerSensor IR (types IDS0002, IDS0012, ISH0001, ISH0002, ISH0010)	fixed, remote sensor	BVS 05 ATEX E 143 X N1	27/10/2006	methane, propane, ethylene	infrared absorption	0 - 100 % LEL
Draeger PIR 3000 (types IDS0001, IDS0011, ITR0001, ITR0002, ITR0010)	fixed, remote sensor	BVS 05 ATEX E 143 X N1	27/10/2006	methane, propane, ethylene	infrared absorption	0 - 100 % LEL

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Dräger Safety AG & Co. KGaA, 23560 Lübeck, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
DraegerSensor IR (types IDS0002, IDS0012, ISH0001, ISH0002, ISH0010) with control unit Polytron SE Ex	fixed, remote sensor and control unit	BVS 05 ATEX E 143 X N2	27/10/2006	methane, propane, ethylene	infrared absorption	0 - 100 % LEL
DraegerSensor IR (types IDS0002, IDS0012, ISH0001, ISH0002, ISH0010)	fixed, remote sensor	BVS 05 ATEX E 143 X N3	19/05/2008	methanol, ethanol, ethyl acetate	infrared absorption	0 - 70 % LEL
				i-butane, n-butane, n-pentane, n-hexane, n-octane, n-nonane, i-propanol, propylene, toluene, acetone, ethyl acetate		0 - 100 % LEL

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equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Draeger PIR 3000 (types IDS0001, IDS0011, ITR0001, ITR0002, ITR0010)	fixed, remote sensor	BVS 05 ATEX E 143 X N3	19/05/2008	methanol, ethanol, ethyl acetate	infrared absorption	0 - 70 % LEL
				i-butane, n-butane, n-pentane, n-hexane, n-octane, n-nonane, i-propanol, propylene, toluene, acetone, ethyl acetate		0 - 100 % LEL
DraegerSensor IR (types IDS0002, IDS0012, ISH0001, ISH0002, ISH0010) with control unit Polytron SE Ex	fixed, remote sensor and control unit	BVS 05 ATEX E 143 X N4	19/05/2008	methanol, ethanol, ethyl acetate	infrared absorption	0 - 70 % LEL
				i-butane, n-butane, n-pentane, n-hexane, n-octane, n-nonane, i-propanol, propylene, toluene, acetone, ethyl acetate		0 - 100 % LEL

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Dräger Safety AG & Co. KGaA, 23560 Lübeck, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
DraegerSensor IR (types IDS0002, IDS0012, ISH0001, ISH0002, ISH0010)	fixed, remote sensor	BVS 05 ATEX E 143 X N6	27/05/2011	see BVS 05 ATEX E 143 X N1, N3		
Draeger PIR 3000 (types IDS0001, IDS0011, ITR0001, ITR0002, ITR0010)	fixed, remote sensor	BVS 05 ATEX E 143 X N6	27/05/2011	see BVS 05 ATEX E 143 X N1, N3		
DraegerSensor IR (types IDS0002, IDS0012, ISH0001, ISH0002, ISH0010)	fixed, remote sensor	BVS 05 ATEX E 143 X N9	07/07/2016	see BVS 05 ATEX E 143 X N1, N3		

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equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Draeger PIR 3000 (types IDS0001, IDS0011, ITR0001, ITR0002, ITR0010)	fixed, remote sensor	BVS 05 ATEX E 143 X N9	07/07/2016	see BVS 05 ATEX E 143 X N1, N3		
X-am 1100, X-am 1700, X-am 2000 (type LQG 00xx)	portable, multi gas detector	BVS 06 ATEX G 006 X	14/12/2006	alkanes (methane to nonane)	catalytic combustion	0 - 100 % LEL
X-am 1100, X-am 1700, X-am 2000 (type LQG 00xx)	portable, multi gas detector	BVS 06 ATEX G 006 X N1	07/05/2010	see BVS 06 ATEX G 006 X	catalytic combustion	0 - 100 % LEL
X-am 1100, X-am 1700, X-am 2000 (type LQG 00xx)	portable, multi gas detector	BVS 06 ATEX G 006 X N2	28/04/2011	see BVS 06 ATEX G 006 X	catalytic combustion	0 - 100 % LEL

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equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
X-am 5000 (type MQG 00xx)	portable, multi gas detector	BVS 08 ATEX G 002 X	27/06/2008	alkanes (methane to nonane)	catalytic combustion	0 - 100 % LEL
X-am 5000 (type MQG 00xx)	portable, multi gas detector	BVS 08 ATEX G 002 X N1	01/03/2010	see BVS 08 ATEX G 002 X	catalytic combustion	0 - 100 % LEL
X-am 5000 (type MQG 00xx)	portable, multi gas detector	BVS 08 ATEX G 002 X N2	28/04/2011	see BVS 08 ATEX G 002 X	catalytic combustion	0 - 100 % LEL
Draeger PIR 7000 (types IDS 01x1, IDS 01x2)	fixed, remote sensor	BVS 08 ATEX G 001 X	30/10/2008	propane	infrared absorption	0 - 5000 ppm
				methane, propane, ethylene		0 - 100 % LEL
				methane		0 - 100 % (v/v)
Draeger PIR 7000 (types IDS 01x1, IDS 01x2)	fixed, remote sensor	BVS 08 ATEX G 001 X N1	30/06/2009	methanol, ethanol, i- propanol, benzene, toluene, propylene, n- butane, i-butane, n- pentane, n-hexane, n- octane, n-nonane	infrared absorption	0 - 100 % LEL

Dräger Safety AG & Co. KGaA, 23560 Lübeck, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Draeger PIR 7000 type 334 (type IDS 01x1)	fixed, remote sensor	BVS 08 ATEX G 001 X N2	22/12/2010	acetone, allyl chloride, dichloromethane, 1,2-dichloropropane, 1,3-dichloropropene, epichlorohydrin, ethyl acetate, ethylene oxide, methyl chloride, 2-butanone (MEK), propylene oxide, o-xylene, 1,2-Dichloroethane, 1-methoxy-2-propanol	infrared absorption	0 - 100 % LEL
Draeger PIR 7000 type 340 (type IDS 01x2)	fixed, remote sensor	BVS 08 ATEX G 001 X N2	22/12/2010	acetone, dichloromethane, 1,3-dichloropropene, ethyl acetate, ethylene oxide, methyl chloride, 2-butanone (MEK), propylene oxide, 1,2-Dichloroethane	infrared absorption	0 - 100 % LEL
				cyclohexane		0 - 50 % LEL

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equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Draeger PIR 7000 (types IDS 01x1, IDS 01x2)	fixed, remote sensor	BVS 08 ATEX G 001 X N3	10/03/2011	see BVS 08 ATEX G 001 X and N1, N2		
Draeger PIR 7000 (types IDS 01x1, IDS 01x2)	fixed, remote sensor	BVS 08 ATEX G 001 X N4	20/06/2012	see BVS 08 ATEX G 001 X and N1, N2		
Draeger PIR 7000 type 334 (type IDS 01x1)	fixed, remote sensor	BVS 08 ATEX G 001 X N5	10/02/2014	methyl isobutyl ketone, styrene	infrared absorption	0 - 100 % LEL
Draeger PIR 7000 type 340 (type IDS 01x2)	fixed, remote sensor	BVS 08 ATEX G 001 X N5	10/02/2014	methyl isobutyl ketone, allyl chloride, 1,2-Dichloropropane, epichlorohydrin, o-xylene, 1-methoxy-2-propanol, cyclohexane	infrared absorption	0 - 100 % LEL
Draeger PIR 7000 (types IDS 01x1, IDS 01x2)	fixed, remote sensor	BVS 08 ATEX G 001 X N6	08/08/2014	see BVS 08 ATEX G 001 X and N1, N2, N5		

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equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Draeger PIR 7000 (types IDS 01x1, IDS 01x2)	fixed, remote sensor	BVS 08 ATEX G 001 X N7	30/01/2015	see BVS 08 ATEX G 001 X and N1, N2, N5		
Draeger PIR 7000 type 334 (type IDS 01x1)	fixed, remote sensor	BVS 08 ATEX G 001 X N8	27/02/2015	Vinyl chloride, Chlorobenzene, 1-Butene, Methyl chloroformate, 2,2,4-Trimethylpentane, 2,2,4,6,6-Pentamethylheptane	infrared absorption	0 - 100 % LEL
Draeger PIR 7000 type 340 (type IDS 01x2)	fixed, remote sensor	BVS 08 ATEX G 001 X N8	27/02/2015	1-Butene, Methyl chloroformate, 2,2,4-Trimethylpentane, 2,2,4,6,6-Pentamethylheptane, Methylcyclohexane	infrared absorption	0 - 100 % LEL
Draeger PIR 7000 (types IDS 01x1, IDS 01x2)	fixed, remote sensor	BVS 08 ATEX G 001 X N9	29/06/2016	see BVS 08 ATEX G 001 X and N1, N2, N5, N8		

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Dräger Safety AG & Co. KGaA, 23560 Lübeck, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Draeger PIR 7000 type 334 (type IDS 01x1)	fixed, remote sensor	BVS 08 ATEX G 001 X N10	24/08/2018	ethanol, n-propanol, n-butanol, hexamethyldisiloxane, methyl acetate, methyl methacrylate, vinyl acetate	infrared absorption	0 - 100 % LEL
Draeger PIR 7000 type 340 (type IDS 01x2)	fixed, remote sensor	BVS 08 ATEX G 001 X N10	24/08/2018	ethanol, n-propanol, n-butanol, hexamethyldisiloxane, methyl acetate, methyl methacrylate	infrared absorption	0 - 100 % LEL
Draeger PIR 7000 (types IDS 01x1, IDS 01x2)	fixed, remote sensor	BVS 08 ATEX G 001 X N11	16/12/2019	see BVS 08 ATEX G 001 X and N1, N2, N5, N8, N10		
X-am 5600 (type MQG 01**)	portable, multi gas detector	BVS 10 ATEX E 080 X N1	24/08/2010	methane, propane, n-nonane	infrared absorption	0 - 100 % LEL
				hydrogen	electrochemical sensor	0 - 100 % LEL

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Dräger Safety AG & Co. KGaA, 23560 Lübeck, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
X-am 2500 (type MQG 0011)	portable, multi gas detector	BVS 10 ATEX E 080 X N3	11/01/2013	alkanes (methane to nonane)	catalytic combustion	0 - 100 % LEL
X-am 5000 (type MQG 0010)	portable, multi gas detector	BVS 10 ATEX E 080 X N3	11/01/2013	alkanes (methane to nonane)	catalytic combustion	0 - 100 % LEL
X-am 5600 (type MQG 0100)	portable, multi gas detector	BVS 10 ATEX E 080 X N3	11/01/2013	methane, propane, n- nonane	infrared absorption	0 - 100 % LEL
				hydrogen	electrochemical sensor	0 - 100 % LEL
X-am 2500 (type MQG 0011)	portable, multi gas detector	BVS 10 ATEX E 080 X N4	02/06/2014	alkanes (methane to nonane)	catalytic combustion	0 - 100 % LEL
X-am 5000 (type MQG 0010)	portable, multi gas detector	BVS 10 ATEX E 080 X N4	02/06/2014	alkanes (methane to nonane)	catalytic combustion	0 - 100 % LEL
X-am 5600 (type MQG 0100)	portable, multi gas detector	BVS 10 ATEX E 080 X N4	02/06/2014	methane, propane, n- nonane	infrared absorption	0 - 100 % LEL
				hydrogen	electrochemical sensor	0 - 100 % LEL

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Dräger Safety AG & Co. KGaA, 23560 Lübeck, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
X-am 2500 (type MQG 0011)	portable, multi gas detector	BVS 10 ATEX E 080 X N6	20/12/2016	sensor XDS 00X2: methane, propane, ethane, ethene, ethine, propene, n-butane, i-butene, hydrogen	catalytic combustion	0 - 100 % LEL
X-am 5000 (type MQG 0010)	portable, multi gas detector	BVS 10 ATEX E 080 X N6	20/12/2016	sensor XDS 00X2: methane, propane, ethane, ethene, ethine, propene, n-butane, i-butene, hydrogen	catalytic combustion	0 - 100 % LEL
X-am 2500 (type MQG 0011)	portable, multi gas detector	BVS 10 ATEX E 080 X N7	02/08/2017	see BVS 10 ATEX E 080 X N4 (sensor XDS 00x4) and BVS 10 ATEX E 080 X N6 (sensor XDS 00x2)		
X-am 5000 (type MQG 0010)	portable, multi gas detector	BVS 10 ATEX E 080 X N7	02/08/2017	see BVS 10 ATEX E 080 X N4 (sensor XDS 00x4) and BVS 10 ATEX E 080 X N6 (sensor XDS 00x2)		

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Dräger Safety AG & Co. KGaA, 23560 Lübeck, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
X-am 5600 (type MQG 0100)	portable, multi gas detector	BVS 10 ATEX E 080 X N7	02/08/2017	see BVS 10 ATEX E 080 X N4		
X-am 2500 (type MQG 0011)	portable, multi gas detector	BVS 10 ATEX E 080 X N8	13/08/2018	see BVS 10 ATEX E 080 X N4 (sensor XDS 00x4) and BVS 10 ATEX E 080 X N6 (sensor XDS 00x2)		
X-am 5000 (type MQG 0010)	portable, multi gas detector	BVS 10 ATEX E 080 X N8	13/08/2018	see BVS 10 ATEX E 080 X N4 (sensor XDS 00x4) and BVS 10 ATEX E 080 X N6 (sensor XDS 00x2)		
X-am 5600 (type MQG 0100)	portable, multi gas detector	BVS 10 ATEX E 080 X N8	13/08/2018	see BVS 10 ATEX E 080 X N4		
X-am 2500 (type MQG 0011)	portable, multi gas detector	BVS 10 ATEX E 080 X N9	03/04/2020	see BVS 10 ATEX E 080 X N4 (sensor XDS 00x4) and BVS 10 ATEX E 080 X N6 (sensor XDS 00x2)		

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Dräger Safety AG & Co. KGaA, 23560 Lübeck, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
X-am 5000 (type MQG 0010)	portable, multi gas detector	BVS 10 ATEX E 080 X N9	03/04/2020	see BVS 10 ATEX E 080 X N4 (sensor XDS 00x4) and BVS 10 ATEX E 080 X N6 (sensor XDS 00x2)		
X-am 5600 (type MQG 0100)	portable, multi gas detector	BVS 10 ATEX E 080 X N9	03/04/2020	see BVS 10 ATEX E 080 X N4		

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Dräger Safety AG & Co. KGaA, 23560 Lübeck, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Polytron 8200 (types XTR 041* and XTR 051*)	fixed, remote sensor	BVS 13 ATEX G 001 X	12/09/2013	methane, propane, acetone, acetylene, ammonia, special boiling point spirit 65/95, benzene, 1,3-butadiene, n-butane, 2-butanone, n- butyl acetate, diethyl ether, dimethyl ether, ethanol, ethylene, ethyl acetate, ethylene oxide, n- hexane, methanol, methyl methacrylate, n-octane, n-pentane, 2-propanol, propylene, propylene oxyide, n-nonane, toluene, o-xylene, hydrogen	catalytic combustion	0 - 100 % LEL

Dräger Safety AG & Co. KGaA, 23560 Lübeck, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Polytron 8310 (types XTR 040* and XTR 050*)	fixed, remote sensor	BVS 13 ATEX G 001 X	12/09/2013	ethanol, ethyl acetate	infrared absorption	0 - 70 % LEL
				methane, propane, ethylene, i-butane, n-butane, n-pentane, n-hexane, n-octane, n-nonane, i-propanol, propylene, toluene, acetone, ethyl acetate		0 - 100 % LEL
Polytron 8700 (types ITR 041* and ITR 051*)	fixed, remote sensor	BVS 13 ATEX G 001 X	12/09/2013	see BVS 08 ATEX G 001 X and supplements for type IDS 01x1	infrared absorption	
Polytron 8700 (types ITR 042* and ITR 052*)	fixed, remote sensor	BVS 13 ATEX G 001 X	12/09/2013	see BVS 08 ATEX G 001 X and supplements for type IDS 01x2	infrared absorption	
Polytron 8200 (types XTR 041* and XTR 051*)	fixed, remote sensor	BVS 13 ATEX G 001 X N1	13/11/2014	acetic acid	catalytic combustion	0 - 100 % LEL

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Dräger Safety AG & Co. KGaA, 23560 Lübeck, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Polytron 8000 (types ETR 040* and ETR 050*)	fixed, remote sensor	BVS 13 ATEX G 001 X N2	19/12/2014	oxygen	electrochemical sensor	0 - 5...25 %(v/v)
Polytron 8700 (types ITR 041* and ITR 051*)	fixed, remote sensor	BVS 13 ATEX G 001 X N3	29/06/2015	see BVS 13 ATEX G 001 X		
Polytron 8700 (types ITR 042* and ITR 052*)	fixed, remote sensor	BVS 13 ATEX G 001 X N3	29/06/2015	see BVS 13 ATEX G 001 X		
Polytron 8310 (types XTR 040* and XTR 050*)	fixed, remote sensor	BVS 13 ATEX G 001 X N3	29/06/2015	see BVS 13 ATEX G 001 X		
Polytron 8200 (types XTR 041* and XTR 051*)	fixed, remote sensor	BVS 13 ATEX G 001 X N3	29/06/2015	see BVS 13 ATEX G 001 X and N1		
Polytron 8000 (type ETR 040* and ETR 050*)	fixed, remote sensor	BVS 13 ATEX G 001 X N3	29/06/2015	see BVS 13 ATEX G 001 X N2		

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Dräger Safety AG & Co. KGaA, 23560 Lübeck, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Polytron 8100 (types ETR 040* and ETR 050*)	fixed, remote sensor	BVS 13 ATEX G 001 X N4	18/05/2017	oxygen	electrochemical sensor	0 - 5...25 %(v/v)
Polytron 8200 (types XTR 041* and XTR 051*)	fixed, remote sensor	BVS 13 ATEX G 001 X N4	18/05/2017	see BVS 13 ATEX G 001 X and N1		
Polytron 8310 (types XTR 040* and XTR 050*)	fixed, remote sensor	BVS 13 ATEX G 001 X N4	18/05/2017	see BVS 13 ATEX G 001 X		
Polytron 8700 (types ITR 041* and ITR 051*)	fixed, remote sensor	BVS 13 ATEX G 001 X N4	18/05/2017	see BVS 13 ATEX G 001 X		
Polytron 8700 (types ITR 042* and ITR 052*)	fixed, remote sensor	BVS 13 ATEX G 001 X N4	18/05/2017	see BVS 13 ATEX G 001 X		
Polytron 8200 (types XTR 041* and XTR 051*)	fixed, remote sensor	BVS 13 ATEX G 001 X N5	27/04/2018	see BVS 13 ATEX G 001 X and N1		

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Dräger Safety AG & Co. KGaA, 23560 Lübeck, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Polytron 8100 (types ETR 040* and ETR 050*)	fixed, remote sensor	BVS 13 ATEX G 001 X N6	27/02/2019	see BVS 13 ATEX G 001 X N4		
Polytron 8200 (types XTR 041* and XTR 051*)	fixed, remote sensor	BVS 13 ATEX G 001 X N6	27/02/2019	see BVS 13 ATEX G 001 X and N1		
Polytron 8310 (types XTR 040* and XTR 050*)	fixed, remote sensor	BVS 13 ATEX G 001 X N6	27/02/2019	see BVS 13 ATEX G 001 X		
Polytron 8700 (types ITR 041* and ITR 051*)	fixed, remote sensor	BVS 13 ATEX G 001 X N6	27/02/2019	see BVS 13 ATEX G 001 X		
Polytron 8700 (types ITR 042* and ITR 052*)	fixed, remote sensor	BVS 13 ATEX G 001 X N6	27/02/2019	see BVS 13 ATEX G 001 X		
Polytron 8200 (types XTR 042* and XTR 052*)	fixed, remote sensor	BVS 13 ATEX G 001 X N7	29/07/2019	Methane, propane, ethylene, acetylene, propylene, i-butylene, benzene, n-nonane, hydrogen	catalytic combustion	0 - 10 % LEL

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Dräger Safety AG & Co. KGaA, 23560 Lübeck, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Polytron 8700 (types ITR 041* and ITR 051*)	fixed, remote sensor	BVS 13 ATEX G 001 X N8	04/02/2020	see BVS 13 ATEX G 001 X		
Polytron 8700 (types ITR 042* and ITR 052*)	fixed, remote sensor	BVS 13 ATEX G 001 X N8	04/02/2020	see BVS 13 ATEX G 001 X		
Polytron 8100 (types ETR 040* and ETR 050*)	fixed, remote sensor	BVS 13 ATEX G 001 X N9	01/02/2021	see BVS 13 ATEX G 001 X N4		
Polytron 8200 (types XTR 041* and XTR 051*)	fixed, remote sensor	BVS 13 ATEX G 001 X N9	01/02/2021	see BVS 13 ATEX G 001 X and N1		
Polytron 8200 (types XTR 042* and XTR 052*)	fixed, remote sensor	BVS 13 ATEX G 001 X N9	01/02/2021	see BVS 13 ATEX G 001 X N7		
Polytron 8310 (types XTR 040* and XTR 050*)	fixed, remote sensor	BVS 13 ATEX G 001 X N9	01/02/2021	see BVS 13 ATEX G 001 X		
Polytron 8700 (types ITR 041* and ITR 051*)	fixed, remote sensor	BVS 13 ATEX G 001 X N9	01/02/2021	see BVS 13 ATEX G 001 X		

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Dräger Safety AG & Co. KGaA, 23560 Lübeck, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Polytron 8700 (types ITR 042* and ITR 052*)	fixed, remote sensor	BVS 13 ATEX G 001 X N9	01/02/2021	see BVS 13 ATEX G 001 X		
Polytron 5200 (types XTR 021* and XTR 031*)	fixed, remote sensor	BVS 15 ATEX G 001 X	03/09/2015	methane, propane, acetone, acetylene, ammonia, special boiling point spirit 65/95, benzene, 1,3-butadiene, n-butane, 2-butanone, n- butyl acetate, diethyl ether, dimethyl ether, ethanol, ethylene, ethyl acetate, ethylene oxide, n- hexane, methanol, methyl methacrylate, n-octane, n-pentane, 2-propanol, propylene, propylene oxyide, n-nonane, toluene, o-xylene, hydrogen	catalytic combustion	0 - 100 % LEL

Dräger Safety AG & Co. KGaA, 23560 Lübeck, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Polytron 5310 (types XTR 020* and XTR 030*)	fixed, remote sensor	BVS 15 ATEX G 001 X	03/09/2015	ethanol, ethyl acetate	infrared absorption	0 - 70 % LEL
				methane, propane, ethylene, i-butane, n-butane, n-pentane, n-hexane, n-octane, n-nonane, i-propanol, propylene, toluene, acetone, ethyl acetate		0 - 100 % LEL
Polytron 5700 (types ITR 021* and ITR 031*)	fixed, remote sensor	BVS 15 ATEX G 001 X	03/09/2015	see BVS 08 ATEX G 001 X and supplements for type IDS 01x1	infrared absorption	
Polytron 5700 (types ITR 022* and ITR 032*)	fixed, remote sensor	BVS 15 ATEX G 001 X	03/09/2015	see BVS 08 ATEX G 001 X and supplements for type IDS 01x2	infrared absorption	
Polytron 5200 (types XTR 021* and XTR 031*)	fixed, remote sensor	BVS 15 ATEX G 001 X N1	27/04/2018	see BVS 15 ATEX G 001 X		
Polytron 5310 (types XTR 020* and XTR 030*)	fixed, remote sensor	BVS 15 ATEX G 001 X N1	27/04/2018	see BVS 15 ATEX G 001 X		

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Dräger Safety AG & Co. KGaA, 23560 Lübeck, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Polytron 5700 (types ITR 021* and ITR 031*)	fixed, remote sensor	BVS 15 ATEX G 001 X N1	27/04/2018	see BVS 15 ATEX G 001 X		
Polytron 5700 (types ITR 022* and ITR 032*)	fixed, remote sensor	BVS 15 ATEX G 001 X N1	27/04/2018	see BVS 15 ATEX G 001 X		
REGARD 7000	fixed, control unit	BVS 16 ATEX G 003 X	09/02/2017	flammable gases accord- ing to used transmitter		
REGARD 7000	fixed, control unit	BVS 16 ATEX G 003 X	09/02/2017	oxygen according to used transmitter		
REGARD 7000	fixed, control unit	BVS 16 ATEX G 003 X N1	31/01/2018	see BVS 16 ATEX G 003 X		
REGARD 7000	fixed, control unit	BVS 16 ATEX G 003 X N2	14/06/2018	see BVS 16 ATEX G 003 X		
REGARD 7000	fixed, control unit	BVS 16 ATEX G 003 X N3	05/02/2021	see BVS 16 ATEX G 003 X		
REGARD 7000	fixed, control unit	BVS 16 ATEX G 003 X N4	26/04/2021	see BVS 16 ATEX G 003 X		

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Dräger Safety AG & Co. KGaA, 23560 Lübeck, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
X-am 3500 X-am 8000 (types HFG 00*0)	portable, multi gas detector	BVS 17 ATEX E 040 X N1	26/06/2019	sensor CatEx 125 PR Gas: methane, propane, ethane, ethene, ethine, propene, n-butane, i-butene, hydrogen	catalytic combustion	0 - 100 % LEL
X-am 3500 X-am 8000 (types HFG 00*0)	portable, multi gas detector	BVS 17 ATEX E 040 X N1	26/06/2019	sensor CatEx 125 PR: n-alkanes from methane to n-octane	catalytic combustion	0 - 100 % LEL
X-am 3500 X-am 8000 (types HFG 00*0)	portable, multi gas detector	BVS 17 ATEX E 040 X N1	26/06/2019	sensors Dual IR Ex/CO ₂ und IR Ex: methane, propane, n- nonane	infrared absorption	0 - 100 % LEL
X-am 3500 X-am 8000 (types HFG 00*0)	portable, multi gas detector	BVS 17 ATEX E 040 X N1	26/06/2019	sensor XXS H ₂ HC: hydrogen	electrochemical sensor	0 - 100 % LEL

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Dräger Safety AG & Co. KGaA, 23560 Lübeck, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
X-am 3500 X-am 8000 (types HFG 00*0)	portable, multi gas detector	BVS 17 ATEX E 040 X N2	03/04/2020	see BVS 17 ATEX E 040 X N1		
X-am 3500 X-am 8000 (types HFG 00*0)	portable, multi gas detector	BVS 17 ATEX E 040 X N2	03/04/2020	sensors Dual IR Ex/CO ₂ ES und IR Ex ES: methane, propane, n- nonane	infrared absorption	0 - 100 % LEL
X-am 3500 X-am 8000 (types HFG 00*0)	portable, multi gas detector	BVS 17 ATEX E 040 X N3	15/04/2021	see BVS 17 ATEX E 040 X N1		

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Draeger Safety France sas, 67100 Strasbourg, France

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Control unit UniGard with sensing head SE Ex PR M..	fixed, control unit and remote sensor	BVS 05 ATEX G 002 X	13/09/2005	methane, propane, n-butane, hydrogen, ethylene, dimethyl ether, acetone, ammonia, benzene, special boiling point spirit 065/095, 1,3-butadiene, cyclopropane, diethyl ether, n-butyl acetate, ethyl acetate, ethylene oxide, methanol, ethanol, 2-propanol, n-hexane, n-octane, n-nonane, methyl ethyl ketone, propene, toluene, acetylene, n-pentane, 1,2-propylene oxide	catalytic combustion	0 - 100 % LEL
Control unit UniGard with sensing head Polytron 2 IR	fixed, control unit and remote sensor	BVS 05 ATEX G 002 X	13/09/2005	see DMT 97 ATEX E 003 X N2, N3, N5, N6, N7, N8, N10 and N11	infrared absorption	0 - 100 % LEL

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Draeger Safety France sas, 67100 Strasbourg, France (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Control unit module 8 SE-EX with sensing head SE Ex PR M..	fixed, control unit and remote sensor	BVS 05 ATEX G 003 X	19/12/2005	methane, propane, n-butane, hydrogen, ethylene, dimethyl ether, acetone, ammonia, benzene, special boiling point spirit 065/095, 1,3-butadiene, cyclopropane, diethyl ether, n-butyl acetate, ethyl acetate, ethylene oxide, methanol, ethanol, 2-propanol, n-hexane, n-octane, n-nonane, methyl ethyl ketone, propene, toluene, acetylene, n-pentane, 1,2-propylene oxide	catalytic combustion	0 - 100 % LEL

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Draeger Safety France sas, 67100 Strasbourg, France (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Control unit MCE 420 with sensing head SE Ex PR M..	fixed, control unit and remote sensor	BVS 06 ATEX G 001 X	04/04/2006	methane, propane, n-butane, hydrogen, ethylene, dimethyl ether, acetone, ammonia, benzene, special boiling point spirit 065/095, 1,3- butadiene, cyclopropane, diethyl ether, n-butyl acetate, ethyl acetate, ethylene oxide, methanol, ethanol, 2-propanol, n-hexane, n-octane, n-nonane, methyl ethyl ketone, propene, toluene, acetylene, n-pentane, 1,2-propylene oxide	catalytic combustion	0 - 100 % LEL

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Draeger Safety UK Ltd., Blyth, Northumberland NE24 4RG, England

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Regard	fixed, control unit	DMT 02 ATEX G 002 X	24/03/2003	combustible gases according to used remote sensor	not applicable	0 - 100 % LEL
Regard	fixed, control unit	DMT 02 ATEX G 002 X N1	01/08/2003	combustible gases according to used remote sensor	not applicable	0 - 100 % LEL
Regard	fixed, control unit	DMT 02 ATEX G 002 X N2	26/05/2004	combustible gases according to used remote sensor	not applicable	0 - 100 % LEL
Regard with DraegerSensor IR (types IDS0002, IDS0012, ISH0001, ISH0002, ISH0010)	fixed, control unit and remote sensor	DMT 02 ATEX G 002 X N3	27/10/2006	methane, propane, ethylene	infrared absorption	0 - 100 % LEL

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Draeger Safety UK Ltd., Blyth, Northumberland NE24 4RG, England (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Regard with sensing heads SE Ex PR M and SE Ex HT M	fixed, control unit and remote sensor	DMT 02 ATEX G 002 X N4	31/03/2008	methane, propane, n-butane, hydrogen, ethylene, dimethyl ether, acetone, ammonia, benzene, special boiling point spirit 065/095, 1,3-butadiene, cyclopropane, diethyl ether, n-butyl acetate, ethyl acetate, ethylene oxide, methanol, ethanol, 2-propanol, n-hexane, n-octane, n-nonane, methyl ethyl ketone, propene, toluene, acetylene, n-pentane, 1,2-propylene oxide	catalytic combustion	0 - 100 % LEL

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Draeger Safety UK Ltd., Blyth, Northumberland NE24 4RG, England (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Regard with DraegerSensor IR (types IDS0002, IDS0012, ISH0001, ISH0002, ISH0010)	fixed, control unit and remote sensor	DMT 02 ATEX G 002 X N5	19/05/2008	methanol, ethanol, ethyl acetate	infrared absorption	0 - 70 % LEL
				i-butane, n-butane, n-pentane, n-hexane, n-octane, n-nonane, i-propanol, propylene, toluene, acetone, ethyl acetate		0 - 100 % LEL
Regard	fixed, control unit	DMT 02 ATEX G 002 X N6	29/05/2009	see DMT 02 ATEX G 002 X and N2 - N5		

Draeger Safety UK Ltd., Blyth, Northumberland NE24 4RG, England (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Regard with sensing heads type Polytron SE Ex PR M1 DD, Polytron SE Ex PR M2 DD, Polytron SE Ex PR M3 DD, Polytron SE Ex PR NPT1 DD and Polytron SE Ex HT M DD	fixed, control unit and remote sensor	DMT 02 ATEX G 002 X N7	15/10/2010	ammonia, hydrogen	catalytic combustion	0 - 70 % LEL
				methane, propane, acetone, acetylene, special boiling point spirit 65/95, benzene, 1,3-butadiene, n-butane, 2-butanone, n-butyl acetate, diethyl ether, dimethyl ether, ethanol, ethylene, ethyl acetate, ethylene oxide, n-hexane, methanol, methyl methacrylate, n-octane, n-pentane, 2-propanol, propylene, propylene oxide, n-nonane, toluene, o-xylene		0 - 100 % LEL

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Draeger Safety UK Ltd., Blyth, Northumberland NE24 4RG, England (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Regard with sensing heads type Polytron SE Ex PR M1 DD, Polytron SE Ex PR M2 DD, Polytron SE Ex PR M3 DD, Polytron SE Ex PR NPT1 DD and Polytron SE Ex HT M DD	fixed, control unit and remote sensor	DMT 02 ATEX G 002 X N8	18/07/2011	see DMT 02 ATEX G 002 X N7		
Regard	fixed, control unit	DMT 02 ATEX G 002 X N9	17/10/2011	see DMT 02 ATEX G 002 X and N2 - N8		
Regard	fixed, control unit	DMT 02 ATEX G 002 X N10	27/11/2015	see DMT 02 ATEX G 002 X and N2 - N8		
Regard	fixed, control unit	DMT 02 ATEX G 002 X N11	18/04/2016	see DMT 02 ATEX G 002 X and N2 - N8		

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Draeger Safety UK Ltd., Blyth, Northumberland NE24 4RG, England (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Regard-1	fixed, control unit	BVS 03 ATEX G 011 X	06/08/2004	combustible gases according to used remote sensor	not applicable	0 - 100 % LEL
				oxygen		0 - 25 %(v/v)
Regard-1	fixed, control unit	BVS 03 ATEX G 011 X N1	08/06/2005	see BVS 03 ATEX G 011 X		
Regard-1 with sensing head SE Ex PR M	fixed, control unit and remote sensor	BVS 03 ATEX G 011 X N1	08/06/2005	methane, propane, n- butane, hydrogen, ethylene, dimethyl ether, acetone, ammonia, benzene, special boiling point spirit 065/095, 1,3- butadiene, cyclopropane, diethyl ether, n-butyl acetate, ethyl acetate, ethylene oxide, methanol, ethanol, 2-propanol, n-hexane, n-octane, n-nonane, methyl ethyl ketone, propene, toluene, acetylene, n-pentane, 1,2- propylene oxide	catalytic combustion	0 - 100 % LEL

Draeger Safety UK Ltd., Blyth, Northumberland NE24 4RG, England (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Regard-1 with sensing heads type Polytron SE Ex PR M1 DD, Polytron SE Ex PR M2 DD, Polytron SE Ex PR M3 DD, Polytron SE Ex PR NPT1 DD and Polytron SE Ex HT M DD	fixed, control unit and remote sensor	BVS 03 ATEX G 011 X N2	15/10/2010	ammonia, hydrogen	catalytic combustion	0 - 70 % LEL
				methane, propane, acetone, acetylene, special boiling point spirit 65/95, benzene, 1,3-butadiene, n-butane, 2-butanone, n-butyl acetate, diethyl ether, dimethyl ether, ethanol, ethylene, ethyl acetate, ethylene oxide, n-hexane, methanol, methyl methacrylate, n-octane, n-pentane, 2-propanol, propylene, propylene oxide, n-nonane, toluene, o-xylene		0 - 100 % LEL

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Draeger Safety UK Ltd., Blyth, Northumberland NE24 4RG, England (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Regard-1 with sensing heads type Polytron SE Ex PR M1 DD, Polytron SE Ex PR M2 DD, Polytron SE Ex PR M3 DD, Polytron SE Ex PR NPT1 DD and Polytron SE Ex HT M DD	fixed, control unit and remote sensor	BVS 03 ATEX G 011 X N3	18/07/2011	see BVS 03 ATEX G 011 X N2		
Regard-1	fixed, control unit	BVS 03 ATEX G 011 X N4	14/05/2012	see BVS 03 ATEX G 011 X and N1 and N2		
Regard-1	fixed, control unit	BVS 03 ATEX G 011 X N5	21/03/2014	see BVS 03 ATEX G 011 X and N1 and N2		

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Esders GmbH, 49740 Haselünne, Germany

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
SIGI EX(-P)	portable	BVS 05 ATEX E 010 X N3	16/07/2009	methane, propane	catalytic combustion	0 - 50 % LEL
SIGI EX(-P)	portable	BVS 05 ATEX E 010 X N6	15/12/2015	methane, propane	catalytic combustion	0 - 50 % LEL

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



General Monitors Ltd., Galway, Ireland

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
UXIR	fixed, remote sensor	BVS 15 ATEX E 009 X N1	27/04/2015	methane, propane, ethylene, 2-butanone, acetone, 1,3-butadiene, diethyl ether, ethane, ethanol, ethyl acetate, ethylene oxide, special boiling point spirit 65/95, i- butyl acetate, n-butyl acetate, n-butane, n- hexane, n-nonane, n- pentane, 2-propanol, propylene, propylene oxide, toluene, xylene (mixed isomers), cyclo- pentane, allyl alcohol, i- butylene, l-butane, methanol	infrared absorption	0 - 100 % LEL

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Gesellschaft für Gerätebau mbH, 44143 Dortmund, Germany

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
GMA 101	fixed, control unit	BVS 03 ATEX G 004 X	25/06/2003	combustible gases according to used remote sensor	not applicable	0 - 100 % LEL
GMA 101	fixed, control unit	BVS 03 ATEX G 004 X N1	23/10/2009	see BVS 03 ATEX G 004 X		
GMA 41 (B)	fixed, control unit	BVS 03 ATEX G 005 X	25/06/2003	combustible gases according to used remote sensor	not applicable	0 - 100 % LEL
GMA 41 (B)	fixed, control unit	BVS 03 ATEX G 005 X N1	23/10/2009	see BVS 03 ATEX G 005 X		
GMA 81 (A)	fixed, control unit	BVS 03 ATEX G 006 X	25/06/2003	combustible gases according to used remote sensor	not applicable	0 - 100 % LEL
GMA 81 (A)	fixed, control unit	BVS 03 ATEX G 006 X N1	23/10/2009	see BVS 03 ATEX G 006 X		
MWG 243* II	fixed, remote sensor	BVS 03 ATEX G 009 X	10/07/2003	methane, propane, ethanol, n-nonane	catalytic combustion	0 - 100 % LEL

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Gesellschaft für Gerätebau mbH, 44143 Dortmund, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
G750 Polytector II	portable, multi gas detector	BVS 03 ATEX G 014 X	16/09/2003	methane, propane	catalytic combustion	0 - 100 % LEL
Microtector G333	portable, multi gas detector	BVS 03 ATEX G 015 X	18/09/2003	methane, propane	catalytic combustion	0 - 100 % LEL
CC 28*	fixed, remote sensor	BVS 05 ATEX G 001 X	20/06/2005	sensor MK 208-1	catalytic combustion	0 - 100 % LEL
				methane, propane, ethylene, n-hexane, n- nonane, acetone, 2- propanol, ethyl acetate, toluene, diethyl ether		
				ammonia		
CC 28*	fixed, remote sensor	BVS 05 ATEX G 001 X	20/06/2005	sensor MK 217-1	catalytic combustion	0 - 100 % LEL
				methane, propane, hydrogen		

Gesellschaft für Gerätebau mbH, 44143 Dortmund, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
CC 28*	fixed, remote sensor	BVS 05 ATEX G 001 X	20/06/2005	sensor MK 218-1	catalytic combustion	0 - 100 % LEL
				methane, propane, ethylene, n-hexane, n- nonane, acetone, 2- propanol, ethyl acetate, toluene, diethyl ether, hydrogen		0 - 4 %(v/v)
CC 28*	fixed, remote sensor	BVS 05 ATEX G 001 X N1	13/12/2005	see BVS 05 ATEX G 001 X	catalytic combustion	
CC 28*	fixed, remote sensor	BVS 05 ATEX G 001 X N2	26/11/2010	sensor MK 208-1	catalytic combustion	0 - 100 % LEL
				methane, propane, ethylene, n-hexane, n- nonane, acetone, 2- propanol, ethyl acetate, toluene, diethyl ether		0 - 4 %(v/v)
CC 28*	fixed, remote sensor	BVS 05 ATEX G 001 X N2	26/11/2010	sensor MK 217-1	catalytic combustion	0 - 100 % LEL
				methane, propane, hydrogen		

Gesellschaft für Gerätebau mbH, 44143 Dortmund, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
CC 28*	fixed, remote sensor	BVS 05 ATEX G 001 X N3	29/06/2017	sensor MK 208-1	catalytic combustion	0 - 100 % LEL
				methane, propane, ethylene, n-hexane, n- nonane, acetone, 2- propanol, ethyl acetate, toluene, diethyl ether		
				ammonia		
CC 28*	fixed, remote sensor	BVS 05 ATEX G 001 X N3	29/06/2017	sensor MK 217-1	catalytic combustion	0 - 100 % LEL
				methane, propane, hydrogen		
G450	portable, multi gas detector	BVS 06 ATEX E 017 X N4	30/11/2009	methane, propane, n-hexane	catalytic combustion	0 - 100 % LEL
G460	portable, multi gas detector	BVS 06 ATEX E 017 X N4	30/11/2009	methane, propane, n-hexane	catalytic combustion	0 - 100 % LEL
				Propane	infrared absorption	0 - 100 % LEL
				n-nonane	infrared absorption	0 - 60 % LEL
G460	portable, multi gas detector	BVS 06 ATEX E 017 X N7	03/08/2012	Methane (mining)	catalytic combustion	0 - 5 %(v/v)

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Gesellschaft für Gerätebau mbH, 44143 Dortmund, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
GMA200	fixed, control unit	BVS 19 ATEX G 001 X	13/05/2019	flammable gases according to used transmitter		
GMA200	fixed, control unit	BVS 19 ATEX G 001 X	13/05/2019	oxygen according to used transmitter		
GMA200	fixed, control unit	BVS 19 ATEX G 001 X N1	28/04/2021	see BVS 19 ATEX G 001 X		

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Hermann Sewerin GmbH, 33334 Gütersloh, Germany

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
EX-TEC Combi	portable, multi gas detector	DMT 01 ATEX G 002	15/01/2002	methane	catalytic combustion	0 - 100 % LEL
EX-TEC Combi	portable, multi gas detector	DMT 01 ATEX G 002 N1	01/09/2003	methane, propane	catalytic combustion	0 - 100 % LEL
EX-TEC HS 650, EX-TEC HS 680	portable, multi gas detector	BVS 09 ATEX G 001 X	09/02/2009	methane, propane	infrared absorption	0 - 100 % LEL
EX-TEC HS 650, EX-TEC HS 680	portable, multi gas detector	BVS 09 ATEX G 001 X N1	15/10/2010	see BVS 09 ATEX G 001 X	infrared absorption	0 - 100 % LEL
EX-TEC HS 650, EX-TEC HS 680	portable, multi gas detector	BVS 09 ATEX G 001 X N4	15/04/2013	see BVS 09 ATEX G 001 X	infrared absorption	0 - 100 % LEL
EX-TEC HS 650, EX-TEC HS 680	portable, multi gas detector	BVS 09 ATEX G 001 X N5	19/04/2016	see BVS 09 ATEX G 001 X	infrared absorption	0 - 100 % LEL
Multitec 520	portable, multi gas detector	BVS 09 ATEX G 001 X	09/02/2009	methane, propane, n-nonane	infrared absorption	0 - 100 % LEL

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Hermann Sewerin GmbH, 33334 Gütersloh, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Multitec 520	portable, multi gas detector	BVS 09 ATEX G 001 X N1	15/10/2010	see BVS 09 ATEX G 001 X	infrared absorption	0 - 100 % LEL
Multitec 520	portable, multi gas detector	BVS 09 ATEX G 001 X N4	15/04/2013	see BVS 09 ATEX G 001 X	infrared absorption	0 - 100 % LEL
Multitec 520	portable, multi gas detector	BVS 09 ATEX G 001 X N5	19/04/2016	see BVS 09 ATEX G 001 X	infrared absorption	0 - 100 % LEL
Variotec 450 Ex, Variotec 480 Ex	portable, multi gas detector	BVS 09 ATEX G 001 X N1	15/10/2010	methane, propane	catalytic combustion	0 - 100 % LEL
Variotec 450 Ex, Variotec 480 Ex	portable, multi gas detector	BVS 09 ATEX G 001 X N5	19/04/2016	see BVS 09 ATEX G 001 X N1	catalytic combustion	0 - 100 % LEL
EX-TEC GA 650, EX-TEC GA 680	portable, multi gas detector	BVS 09 ATEX G 001 X N2	29/07/2011	methane, propane	infrared absorption	0 - 100 % LEL
EX-TEC GA 650, EX-TEC GA 680	portable, multi gas detector	BVS 09 ATEX G 001 X N4	15/04/2013	see BVS 09 ATEX G 001 X N2	infrared absorption	0 - 100 % LEL

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Hermann Sewerin GmbH, 33334 Gütersloh, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
EX-TEC GA 650, EX-TEC GA 680	portable, multi gas detector	BVS 09 ATEX G 001 X N5	19/04/2016	see BVS 09 ATEX G 001 X N2	infrared absorption	0 - 100 % LEL
Multitec 560	portable, multi gas detector	BVS 09 ATEX G 001 X N3	30/09/2011	methane	infrared absorption	0 - 100 % LEL
Multitec 560	portable, multi gas detector	BVS 09 ATEX G 001 X N5	19/04/2016	see BVS 09 ATEX G 001 X N3	infrared absorption	0 - 100 % LEL
Multitec 410	portable, multi gas detector	BVS 09 ATEX G 001 X N4	15/04/2013	methane, propane, n-nonane	catalytic combustion	0 - 100 % LEL
Multitec 410	portable, multi gas detector	BVS 09 ATEX G 001 X N5	19/04/2016	see BVS 09 ATEX G 001 X N4	catalytic combustion	0 - 100 % LEL
EX-TEC PM 4	portable	BVS 09 ATEX G 002 X	02/03/2009	methane, propane	catalytic combustion	0 - 100 % LEL
EX-TEC PM 4	portable	BVS 09 ATEX G 002 X N1	04/09/2009	n-nonane	catalytic combustion	0 - 100 % LEL

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Hermann Sewerin GmbH, 33334 Gütersloh, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
EX-TEC PM 400	portable	BVS 19 ATEX G 002 X	06/12/2019	methane, propane, n-nonane	catalytic combustion	0 - 100 % LEL
EX-TEC PM 500	portable	BVS 19 ATEX G 002 X	06/12/2019	methane, propane	infrared absorption	0 - 100 % LEL
EX-TEC PM 550	portable	BVS 19 ATEX G 002 X	06/12/2019	methane, propane	infrared absorption	0 - 100 % LEL
EX-TEC PM 580	portable	BVS 19 ATEX G 002 X	06/12/2019	methane, propane	infrared absorption	0 - 100 % LEL
EX-TEC PM 400	portable	BVS 19 ATEX G 002 X N1	16/12/2020	see BVS 19 ATEX G 002 X	catalytic combustion	0 - 100 % LEL
EX-TEC PM 500	portable	BVS 19 ATEX G 002 X N1	16/12/2020	see BVS 19 ATEX G 002 X	infrared absorption	0 - 100 % LEL
EX-TEC PM 550	portable	BVS 19 ATEX G 002 X N1	16/12/2020	see BVS 19 ATEX G 002 X	infrared absorption	0 - 100 % LEL
EX-TEC PM 580	portable	BVS 19 ATEX G 002 X N1	16/12/2020	see BVS 19 ATEX G 002 X	infrared absorption	0 - 100 % LEL

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Honeywell Analytics Ltd., Poole, Dorset BH17 0RZ, England

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
impact, impact pro	portable, multi gas detector	DMT 02 ATEX G 001	20/05/2003	methane, propane	catalytic combustion	0 - 100 % LEL
impact, impact pro	portable, multi gas detector	DMT 02 ATEX G 001 N1	09/12/2003	see DMT 02 ATEX G 001	catalytic combustion	0 - 100 % LEL
impact, impact pro	portable, multi gas detector	DMT 02 ATEX G 001 N2	19/05/2004	see DMT 02 ATEX G 001	catalytic combustion	0 - 100 % LEL
impact, impact pro	portable, multi gas detector	DMT 02 ATEX G 001 N3	11/11/2011	see DMT 02 ATEX G 001	catalytic combustion	0 - 100 % LEL
APEX	fixed, remote sensor	BVS 03 ATEX G 012 X	28/11/2003	methane, propane	catalytic combustion	0 - 100 % LEL
APEX	fixed, remote sensor	BVS 03 ATEX G 012 X N1	11/05/2004	see BVS 03 ATEX G 012 X	catalytic combustion	0 - 100 % LEL

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Honeywell Analytics Ltd., Poole, Dorset BH17 0RZ, England (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
system 57 with remote sensor sensepoint	fixed, control unit and remote sensor	BVS 04 ATEX G 001 X	13/08/2004	hydrogen, propane, n-butane, ethylene, propylene, methane, butanone, 2-propanol, ethanol, methanol, ethyl acetate, 1,2-epoxy-propane, toluene, p-xylene, unleaded petrol	catalytic combustion	0 - 100 % LEL
system 57	fixed, control unit	BVS 04 ATEX G 001 X	13/08/2004	combustible gases according to used remote sensor	not applicable	0 - 100 % LEL
				combustible gases according to used remote sensor	not applicable	0 - 100 %(v/v)
system 57 with remote sensor sensepoint	fixed, control unit and remote sensor	BVS 04 ATEX G 001 X N1	23/02/2010	see BVS 04 ATEX G 001 X	catalytic combustion	0 - 100 % LEL
system 57	fixed, control unit	BVS 04 ATEX G 001 X N1	23/02/2010	see BVS 04 ATEX G 001 X	not applicable	

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Honeywell Analytics Ltd., Poole, Dorset BH17 0RZ, England (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
system 57 with remote sensor sensepoint PPM	fixed, control unit and remote sensor	BVS 04 ATEX G 001 X N2	12/04/2012	Methan, Ethen	catalytic combustion	0 - 10 % LEL
Searchpoint Optima Plus	fixed, remote sensor	BVS 03 ATEX G 016 X	05/09/2006	methane, propane, n-butane, propene, acetone, 1-butanol, n-butyl acetate, 2-butanone, cyclohexanone, ethanol, ethyl acetate, n-heptane, n-hexane, 2-propanol, methanol, toluene, o-xylene, Benzin 60/95, p-xylene, 1-methoxy-2-propanol, Benzin 80/110, dimethyl ether, 1-ethoxy-2-propanol, ethene	infrared absorption	0 - 100 % LEL
				propane		0 - 5000 ppm
				propane		0 - 10000 ppm

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Honeywell Analytics Ltd., Poole, Dorset BH17 0RZ, England (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Optima Z	fixed, remote sensor	BVS 03 ATEX G 016 X N1	24/03/2011	ethanol, ethyl acetate, propane, ethylene, 2-propanol, 2-butanone, 1-butanol, acetone, n-hexane, 1-butyl acetate	infrared absorption	0 - 100 % LEL
				toluene, mineral spirit 60/95, o-xylene		0 - 70 % LEL
Searchpoint Optima Plus	fixed, remote sensor	BVS 03 ATEX G 016 X N2	06/07/2011	see BVS 03 ATEX G 016 X		
Optima X	fixed, remote sensor	BVS 03 ATEX G 016 X N3	13/09/2011	Propan	infrared absorption	0 - 100 % LEL
Searchpoint Optima Plus with optional HART interface	fixed, remote sensor	BVS 03 ATEX G 016 X N4	03/08/2012	see BVS 03 ATEX G 016 X		
Searchpoint Optima Plus with optional HART interface	fixed, remote sensor	BVS 03 ATEX G 016 X N5	24/01/2013	see BVS 03 ATEX G 016 X		

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Honeywell Analytics Ltd., Poole, Dorset BH17 0RZ, England (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Searchpoint Optima Plus with optional HART interface	fixed, remote sensor	BVS 03 ATEX G 016 X N6	28/10/2013	see BVS 03 ATEX G 016 X		
Searchpoint Optima Plus with optional HART interface	fixed, remote sensor	BVS 03 ATEX G 016 X N7	14/07/2014	see BVS 03 ATEX G 016 X		
Searchpoint Optima Plus with optional HART interface	fixed, remote sensor	BVS 03 ATEX G 016 X N8	19/11/2014	see BVS 03 ATEX G 016 X		
Searchpoint Optima Plus with optional HART interface	fixed, remote sensor	BVS 03 ATEX G 016 X N9	05/03/2015	1,2-dichloroethane	infrared absorption	0 - 100 % LEL
Searchpoint Optima Plus with optional HART interface	fixed, remote sensor	BVS 03 ATEX G 016 X N10	10/11/2015	see BVS 03 ATEX G 016 X and N9		

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Honeywell Analytics Ltd., Poole, Dorset BH17 0RZ, England (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Searchpoint Optima Plus with optional HART interface	fixed, remote sensor	BVS 03 ATEX G 016 X N11	29/07/2016	see BVS 03 ATEX G 016 X and N9		
Searchpoint Optima Z with optional HART interface	fixed, remote sensor	BVS 03 ATEX G 016 X N4	03/08/2012	see BVS 03 ATEX G 016 X N1		
Searchpoint Optima Z with optional HART interface	fixed, remote sensor	BVS 03 ATEX G 016 X N5	24/01/2013	see BVS 03 ATEX G 016 X N1		
Searchpoint Optima Z with optional HART interface	fixed, remote sensor	BVS 03 ATEX G 016 X N6	28/10/2013	see BVS 03 ATEX G 016 X N1		

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Honeywell Analytics Ltd., Poole, Dorset BH17 0RZ, England (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Searchpoint Optima Z with optional HART interface	fixed, remote sensor	BVS 03 ATEX G 016 X N7	14/07/2014	see BVS 03 ATEX G 016 X N1		
Searchpoint Optima Z with optional HART interface	fixed, remote sensor	BVS 03 ATEX G 016 X N8	19/11/2014	see BVS 03 ATEX G 016 X N1		
Searchpoint Optima Z with optional HART interface	fixed, remote sensor	BVS 03 ATEX G 016 X N10	10/11/2015	see BVS 03 ATEX G 016 X N1		
Searchpoint Optima Z with optional HART interface	fixed, remote sensor	BVS 03 ATEX G 016 X N11	29/07/2016	see BVS 03 ATEX G 016 X N1		
Searchpoint Optima X with optional HART interface	fixed, remote sensor	BVS 03 ATEX G 016 X N5	24/01/2013	see BVS 03 ATEX G 016 X N3		

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Honeywell Analytics Ltd., Poole, Dorset BH17 0RZ, England (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Searchpoint Optima X with optional HART interface	fixed, remote sensor	BVS 03 ATEX G 016 X N6	28/10/2013	see BVS 03 ATEX G 016 X N3		
Searchpoint Optima X with optional HART interface	fixed, remote sensor	BVS 03 ATEX G 016 X N7	14/07/2014	see BVS 03 ATEX G 016 X N3		
Searchpoint Optima X with optional HART interface	fixed, remote sensor	BVS 03 ATEX G 016 X N8	19/11/2014	see BVS 03 ATEX G 016 X N3		
Searchpoint Optima X with optional HART interface	fixed, remote sensor	BVS 03 ATEX G 016 X N10	10/11/2015	see BVS 03 ATEX G 016 X N3		
Searchpoint Optima X with optional HART interface	fixed, remote sensor	BVS 03 ATEX G 016 X N11	29/07/2016	see BVS 03 ATEX G 016 X N3		

Honeywell Analytics Ltd., Poole, Dorset BH17 0RZ, England (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Touchpoint Pro with remote sensor sensepoint	fixed, control unit and remote sensor	BVS 16 ATEX G 002 X	21/11/2016	hydrogen, propane, n-butane, ethylene, propylene, methane, butanone, 2-propanol, ethanol, methanol, ethyl acetate, 1,2-epoxy-propane, toluene, p-xylene, unleaded petrol	catalytic combustion	0 - 100 % LEL
Touchpoint Pro with remote sensor sensepoint HT	fixed, control unit and remote sensor	BVS 16 ATEX G 002 X	21/11/2016	methane, propane, n-butane, n-nonane, hydrogen	catalytic combustion	0 - 100 % LEL
Touchpoint Pro with remote sensor sensepoint ppm	fixed, control unit and remote sensor	BVS 16 ATEX G 002 X	21/11/2016	methane, ethylene	catalytic combustion	0 - 10 % LEL
Touchpoint Pro	fixed, control unit	BVS 16 ATEX G 002 X	21/11/2016	flammable gases according to used transmitter		
Touchpoint Pro	fixed, control unit	BVS 16 ATEX G 002 X	21/11/2016	oxygen according to used transmitter		

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Honeywell Analytics Ltd., Poole, Dorset BH17 0RZ, England (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Touchpoint Pro with remote sensor sensepoint	fixed, control unit and remote sensor	BVS 16 ATEX G 002 X N1	22/11/2019	see BVS 16 ATEX G 002 X		
Touchpoint Pro with remote sensor sensepoint HT	fixed, control unit and remote sensor	BVS 16 ATEX G 002 X N1	22/11/2019	see BVS 16 ATEX G 002 X		
Touchpoint Pro with remote sensor sensepoint ppm	fixed, control unit and remote sensor	BVS 16 ATEX G 002 X N1	22/11/2019	see BVS 16 ATEX G 002 X		
Touchpoint Pro	fixed, control unit	BVS 16 ATEX G 002 X N1	22/11/2019	flammable gases according to used transmitter		
Touchpoint Pro	fixed, control unit	BVS 16 ATEX G 002 X N1	22/11/2019	oxygen according to used transmitter		
Touchpoint Pro with remote sensor sensepoint	fixed, control unit and remote sensor	BVS 16 ATEX G 002 X N2	01/12/2020	methane, propane, hydrogen	catalytic combustion	0 - 100 % LEL

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Honeywell Analytics Ltd., Poole, Dorset BH17 0RZ, England (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Touchpoint Pro with remote sensor sensepoint HT	fixed, control unit and remote sensor	BVS 16 ATEX G 002 X N2	01/12/2020	methane, propane, hydrogen	catalytic combustion	0 - 100 % LEL
Touchpoint Pro with remote sensor sensepoint ppm	fixed, control unit and remote sensor	BVS 16 ATEX G 002 X N2	01/12/2020	methane, ethylene	catalytic combustion	0 - 10 % LEL
Touchpoint Pro	fixed, control unit	BVS 16 ATEX G 002 X N2	01/12/2020	flammable gases according to used transmitter		
Touchpoint Pro	fixed, control unit	BVS 16 ATEX G 002 X N2	01/12/2020	oxygen according to used transmitter		
Touchpoint Plus 19" Rack with remote sensor sensepoint ppm	fixed, control unit and remote sensor	BVS 20 ATEX G 001 X	18/01/2021	methane, ethylene	catalytic combustion	0 - 10 % LEL
Touchpoint Plus 19" Rack with remote sensor sensepoint	fixed, control unit and remote sensor	BVS 20 ATEX G 001 X	18/01/2021	methane, propane, hydrogen	catalytic combustion	0 - 100 % LEL

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Honeywell Analytics Ltd., Poole, Dorset BH17 0RZ, England (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Touchpoint Plus 19" Rack with remote sensor sensepoint HT	fixed, control unit and remote sensor	BVS 20 ATEX G 001 X	18/01/2021	methane, propane, hydrogen	catalytic combustion	0 - 100 % LEL
Touchpoint Plus 19" Rack	fixed, control unit	BVS 20 ATEX G 001 X	18/01/2021	flammable gases according to used transmitter		

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Honeywell Analytics Inc., Lincolnshire, Illinois 60069, USA

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
XNX (with sensor MPD AMCB1)	fixed, remote sensor	BVS 10 ATEX G 001 X	29/09/2011	methane, propane, n-butane, n-nonane, hydrogen	catalytic combustion	0 - 100 % LEL
XNX (with sensor Sensepoint HT)	fixed, remote sensor	BVS 10 ATEX G 001 X	29/09/2011	methane, propane, n-butane, n-nonane, hydrogen	catalytic combustion	0 - 100 % LEL
XNX (with sensor Optima Plus)	fixed, remote sensor	BVS 10 ATEX G 001 X	29/09/2011	see BVS 03 ATEX G 016 X	infrared absorption	
XNX (with sensor MPD AMCB1)	fixed, remote sensor	BVS 10 ATEX G 001 X N1	05/10/2017	see BVS 10 ATEX G 001 X		
XNX (with sensor Sensepoint HT)	fixed, remote sensor	BVS 10 ATEX G 001 X N1	05/10/2017	see BVS 10 ATEX G 001 X		
XNX (with sensor Optima Plus)	fixed, remote sensor	BVS 10 ATEX G 001 X N1	05/10/2017	see BVS 10 ATEX G 001 X		
XNX (with sensor Sensepoint combustible PPM)	fixed, remote sensor	BVS 10 ATEX G 001 X N1	05/10/2017	methane, ethylene, n-butane, i-butylene	catalytic combustion	0 - 10 % LEL

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Honeywell Analytics Inc., Lincolnshire, Illinois 60069, USA (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
XNX (with sensor MPD AMCB1)	fixed, remote sensor	BVS 10 ATEX G 001 X N2	27/09/2019	see BVS 10 ATEX G 001 X		
XNX (with sensor Sensepoint HT)	fixed, remote sensor	BVS 10 ATEX G 001 X N2	27/09/2019	see BVS 10 ATEX G 001 X		
XNX (with sensor Optima Plus)	fixed, remote sensor	BVS 10 ATEX G 001 X N2	27/09/2019	see BVS 10 ATEX G 001 X		
XNX (with sensor Sensepoint combustible PPM)	fixed, remote sensor	BVS 10 ATEX G 001 X N2	27/09/2019	see BVS 10 ATEX G 001 X N1		

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Honeywell Analytics Asia Pacific Co. Ltd., Seoul 03922, Korea

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Touchpoint Plus with remote sensor sensepoint ppm	fixed, control unit and remote sensor	BVS 17 ATEX G 001 X	06/02/2019	methane, ethylene	catalytic combustion	0 - 10 % LEL
Touchpoint Plus with remote sensor sensepoint	fixed, control unit and remote sensor	BVS 17 ATEX G 001 X	06/02/2019	hydrogen, propane, n-butane, ethylene, propylene, methane, butanone, 2-propanol, ethanol, methanol, ethyl acetate, 1,2-epoxy-propane, toluene, p-xylene, unleaded petrol	catalytic combustion	0 - 100 % LEL
Touchpoint Plus with remote sensor sensepoint HT	fixed, control unit and remote sensor	BVS 17 ATEX G 001 X	06/02/2019	methane, propane, n-butane, n-nonane, hydrogen	catalytic combustion	0 - 100 % LEL
Touchpoint Plus	fixed, control unit	BVS 17 ATEX G 001 X	06/02/2019	flammable gases according to used transmitter		

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Honeywell Analytics Asia Pacific Co. Ltd., Seoul 03922, Korea (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Touchpoint Plus with remote sensor sensepoint ppm	fixed, control unit and remote sensor	BVS 17 ATEX G 001 X N1	01/12/2020	methane, ethylene	catalytic combustion	0 - 10 % LEL
Touchpoint Plus with remote sensor sensepoint	fixed, control unit and remote sensor	BVS 17 ATEX G 001 X N1	01/12/2020	methane, propane, hydrogen	catalytic combustion	0 - 100 % LEL
Touchpoint Plus with remote sensor sensepoint HT	fixed, control unit and remote sensor	BVS 17 ATEX G 001 X N1	01/12/2020	methane, propane, hydrogen	catalytic combustion	0 - 100 % LEL
Touchpoint Plus	fixed, control unit	BVS 17 ATEX G 001 X N1	01/12/2020	flammable gases according to used transmitter		

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



MSA EUROPE GmbH, 8645 Jona, Switzerland

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Ex-Trans S 100 ia	fixed	DMT 99 ATEX E 009	12/08/1999	methane (mining)	catalytic combustion	0 - 3 %(v/v)
Ex-Trans S 100 ia	fixed	DMT 99 ATEX E 009 N1	19/10/2006	see DMT 99 ATEX E 009	catalytic combustion	0 - 3 %(v/v)
Ex- (Ox-) Meter II (P)	portable, multi gas detector	DMT 99 ATEX G 001 X	17/12/1999	methane	catalytic combustion	0 - 100 % LEL
					thermal conductivity (P only)	0 - 100 %(v/v)
				propane	catalytic combustion	0 - 100 % LEL
					thermal conductivity (P only)	0 - 100 %(v/v)
				n-nonane	catalytic combustion	0 - 100 % LEL
				jet fuel	catalytic combustion	0 - 50 % LEL
Ex-Meter II (P) mining	portable	DMT 99 ATEX G 001 X N1	18/12/2001	methane	catalytic combustion	0 - 5 %(v/v)
					thermal conductivity (P only)	0 - 100 %(v/v)

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MSA EUROPE GmbH, 8645 Jona, Switzerland (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Ex-Meter II (P) mining	portable	DMT 99 ATEX G 001 X N2	26/06/2003	methane	catalytic combustion	0 - 5 %(v/v)
					thermal conductivity (P only)	0 - 100 %(v/v)
Ex- (Ox-) Meter II (P) (mining)	portable	DMT 99 ATEX G 001 X N3	11/02/2008	see DMT 99 ATEX G 001 X and N1		
Ex-Alarm ED 090 SMD with remote sensor D-7010 or D-7100	fixed, control unit and remote sensor	DMT 01 ATEX G 001 X	27/11/2001	methane, propane, ethylene, propene, hydrogen, n-butane, ethanol, n-hexane, toluene, 2-propanol, ethyl acetate, i-butyl acetate, special boiling point spirit 65/95, n-nonane	catalytic combustion	0 - 10 % LEL 0 - 100 % LEL
				xylene (isomer mixture)	catalytic combustion	0 - 20 % LEL 0 - 100 % LEL
Ex-Alarm ED 090 SMD with remote sensor series 47 K-ST	fixed, control unit and remote sensor	DMT 01 ATEX G 001 X N1	30/09/2004	methane, propane	catalytic combustion	0 - 100 % LEL

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MSA EUROPE GmbH, 8645 Jona, Switzerland (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Ex-Alarm ED 090 SMD with remote sensor series 47 K-PRP	fixed, control unit and remote sensor	DMT 01 ATEX G 001 X N2	08/11/2004	methane	catalytic combustion	0 - 100 % LEL
Ex-Alarm ED 090 SMD	fixed, control unit	DMT 01 ATEX G 001 X N3	03/03/2006	see DMT 01 ATEX G 001 X and N1, N2	catalytic combustion	0 - 100 % LEL

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MSA EUROPE GmbH, 8645 Jona, Switzerland (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Ex-Alarm ED 090 SMD with remote sensor series 47 K-ST	fixed, control unit and remote sensor	DMT 01 ATEX G 001 X N4	19/05/2006	2-butanone, acetone, acetylene, ammonia, 1,3-butadiene, diethyl ether, acetic acid, acetic anhydride, ethane, ethanol, ethylene, ethyl acetate, ethylene oxide, special boiling point spirit 65/95, i-butyl acetate, n-butyl acetate, n-butane, n-hexane, n-nonane, n-pentane, 2-propanol, propylene, propylene oxide, toluene, hydrogen, xylene (mixed isomers), cyclopentane, allyl alcohol, l-butylene, l-butane, methanol, cyclohexane	catalytic combustion	0 - 100 % LEL

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MSA EUROPE GmbH, 8645 Jona, Switzerland (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Ex-Alarm ED 090 SMD with remote sensor series 47 K-HT	fixed, control unit and remote sensor	DMT 01 ATEX G 001 X N5	05/07/2006	methane, propane, 2-butanone, acetone, ethanol, ethyl acetate, toluene	catalytic combustion	0 - 100 % LEL
Ex-Alarm ED 090 SMD with remote sensor series 47 K-PRP	fixed, control unit and remote sensor	DMT 01 ATEX G 001 X N6	26/03/2007	methane, propane, 2-butanone, acetone, ethanol, ethyl acetate, special boiling point spirit 65/95, 1-propanol, 2-propanol, propylene, toluene, hydrogen, 1-ethoxy-2-propanol	catalytic combustion	0 - 100 % LEL
Titan	portable	DMT 01 ATEX E 054 X N1	05/12/2002	methane, propane, hydrogen, n-pentane	catalytic combustion	0 - 100 % LEL
Titan	portable	DMT 01 ATEX E 054 X N3	06/12/2007	see DMT 03 ATEX E 054 X N1		

MSA EUROPE GmbH, 8645 Jona, Switzerland (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Suprema with remote sensor D-7010 or D-7100	fixed, control unit and remote sensor	DMT 03 ATEX G 003 X	16/05/2003	methane, propane, ethylene, propene, hydrogen, n-butane, ethanol, n-hexane, toluene, 2-propanol, ethyl acetate, i-butyl acetate, special boiling point spirit 65/95, n-nonane	catalytic combustion	0 - 10 % LEL 0 - 100 % LEL
				xylene (isomer mixture)	catalytic combustion	0 - 20 % LEL 0 - 100 % LEL
Suprema	fixed, control unit	DMT 03 ATEX G 003 X	16/05/2003	combustible gases according to used remote sensor	not applicable	0 - 10 % LEL
				combustible gases according to used remote sensor	not applicable	0 - 100 % LEL
				combustible gases according to used remote sensor	not applicable	0 - 100 % (v/v)
				oxygen	not applicable	0 - 25 % (v/v)

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MSA EUROPE GmbH, 8645 Jona, Switzerland (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Suprema with remote sensors D-715K, D-7152K, D-7711K, D-7711K-PR	fixed, control unit and remote sensor	DMT 03 ATEX G 003 X N1	19/12/2003	methane, ethane, propane, toluene, ethanol, acetone, hydrogen	catalytic combustion	0 - 100 % LEL
Suprema	fixed, control unit	DMT 03 ATEX G 003 X N2	09/08/2004	see DMT 03 ATEX G 003 X and N1		
Suprema with remote sensor series 47 K-ST	fixed, control unit and remote sensor	DMT 03 ATEX G 003 X N3	30/09/2004	methane, propane	catalytic combustion	0 - 100 % LEL
Suprema with remote sensor series 47 K-PRP	fixed, control unit and remote sensor	DMT 03 ATEX G 003 X N4	08/11/2004	methane	catalytic combustion	0 - 100 % LEL
Suprema	fixed, control unit	DMT 03 ATEX G 003 X N5	04/04/2005	see DMT 03 ATEX G 003 X and N1 to N4		
Suprema	fixed, control unit	DMT 03 ATEX G 003 X N6	11/11/2005	see DMT 03 ATEX G 003 X and N1 to N4		

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MSA EUROPE GmbH, 8645 Jona, Switzerland (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Suprema with remote sensor series 47 K-ST	fixed, control unit and remote sensor	DMT 03 ATEX G 003 X N7	19/05/2006	2-butanone, acetone, acetylene, ammonia, 1,3-butadiene, diethyl ether, acetic acid, acetic anhydride, ethane, ethanol, ethylene, ethyl acetate, ethylene oxide, special boiling point spirit 65/95, i-butyl acetate, n-butyl acetate, n-butane, n-hexane, n-nonane, n-pentane, 2-propanol, propylene, propylene oxide, toluene, hydrogen, xylene (mixed isomers), cyclopentane, allyl alcohol, l-butylene, l-butane, methanol, cyclohexane	catalytic combustion	0 - 100 % LEL
Suprema with remote sensor series 47 K-HT	fixed, control unit and remote sensor	DMT 03 ATEX G 003 X N8	05/07/2006	methane, propane, 2-butanone, acetone, ethanol, ethyl acetate, toluene	catalytic combustion	0 - 100 % LEL

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MSA EUROPE GmbH, 8645 Jona, Switzerland (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Suprema	fixed, control unit	DMT 03 ATEX G 003 X N9	22/12/2006	see DMT 03 ATEX G 003 X and N1 to N4 and N7, N8		
Suprema with remote sensor series 47 K-PRP	fixed, control unit and remote sensor	DMT 03 ATEX G 003 X N10	26/03/2007	methane, propane, 2- butanone, acetone, ethanol, ethyl acetate, special boiling point spirit 65/95, 1-propanol, 2- propanol, propylene, toluene, hydrogen, 1- ethoxy-2-propanol	catalytic combustion	0 - 100 % LEL
Suprema	fixed, control unit	DMT 03 ATEX G 003 X N11	25/10/2007	see DMT 03 ATEX G 003 X and N1 to N4, N7, N8, N10		
Suprema	fixed, control unit	DMT 03 ATEX G 003 X N12	02/10/2008	see DMT 03 ATEX G 003 X and N1 to N4, N7, N8, N10		

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MSA EUROPE GmbH, 8645 Jona, Switzerland (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Suprema	fixed, control unit	DMT 03 ATEX G 003 X N13	19/02/2009	see DMT 03 ATEX G 003 X and N1 to N4, N7, N8, N10		
Suprema	fixed, control unit	DMT 03 ATEX G 003 X N14	02/11/2009	see DMT 03 ATEX G 003 X and N1 to N4, N7, N8, N10		
Suprema	fixed, control unit	DMT 03 ATEX G 003 X N15	22/06/2011	see DMT 03 ATEX G 003 X and N1 to N4, N7, N8, N10		
Suprema	fixed, control unit	DMT 03 ATEX G 003 X N16	14/12/2011	see DMT 03 ATEX G 003 X and N1 to N4, N7, N8, N10		
Suprema	fixed, control unit	DMT 03 ATEX G 003 X N17	14/12/2011	see DMT 03 ATEX G 003 X N3, N7, N8, N10	catalytic combustion	0 - 100 % LEL

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MSA EUROPE GmbH, 8645 Jona, Switzerland (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Suprema with remote sensor series 47 K-HT-PRP	fixed, control unit and remote sensor	DMT 03 ATEX G 003 X N18	13/03/2013	methane	catalytic combustion	0 - 100 % LEL
Suprema	fixed, control unit	DMT 03 ATEX G 003 X N19	24/10/2013	see DMT 03 ATEX G 003 X and N1 to N4, N7, N8, N10, N18		
Suprema	fixed, control unit	DMT 03 ATEX G 003 X N20	17/03/2014	see DMT 03 ATEX G 003 X and N1 to N4, N7, N8, N10, N18		
Suprema with remote sensor series 47 K-PRP	fixed, control unit and remote sensor	DMT 03 ATEX G 003 X N21	23/06/2014	methane, propane, hydrogen	catalytic combustion	0 - 100 % LEL
Suprema	fixed, control unit	DMT 03 ATEX G 003 X N22	09/02/2015	see DMT 03 ATEX G 003 X and N1 to N4, N7, N8, N10, N18, N21		

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MSA EUROPE GmbH, 8645 Jona, Switzerland (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
SUPREMA with remote sensor series 47 K-PRP	fixed, control unit and remote sensor	DMT 03 ATEX G 003 X N23	19/04/2017	methane, propane, 2-butanone, acetone, ethanol, ethyl acetate, special boiling point spirit 65/95, 1-propanol, 2-propanol, propylene, toluene, hydrogen, 1-ethoxy-2-propanol	catalytic combustion	0 - 100 % LEL
SUPREMA with remote sensor series 47 K-HT	fixed, control unit and remote sensor	DMT 03 ATEX G 003 X N23	19/04/2017	methane, propane, 2-butanone, acetone, ethanol, ethyl acetate, toluene	catalytic combustion	0 - 100 % LEL

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MSA EUROPE GmbH, 8645 Jona, Switzerland (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
SUPREMA with remote sensor series 47 K-ST	fixed, control unit and remote sensor	DMT 03 ATEX G 003 X N23	19/04/2017	methane, propane, 2-butanone, acetone, acetylene, ammonia, 1,3-butadiene, diethyl ether, acetic acid, acetic anhydride, ethane, ethanol, ethylene, ethyl acetate, ethylene oxide, special boiling point spirit 65/95, i-butyl acetate, n-butyl acetate, n-butane, n-hexane, n-nonane, n-pentane, 2-propanol, propylene, propylene, oxide, toluene, hydrogen, xylene (mixed isomers), cyclopentane, allyl alcohol, l-butylene, l-butane, methanol, cyclohexane	catalytic combustion	0 - 100 % LEL
SUPREMA with remote sensor series 47 K-HT-PRP	fixed, control unit and remote sensor	DMT 03 ATEX G 003 X N23	19/04/2017	methane	catalytic combustion	0 - 100 % LEL

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



MSA EUROPE GmbH, 8645 Jona, Switzerland (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
SUPREMA	fixed, control unit	DMT 03 ATEX G 003 X N23	19/04/2017	combustible gases according to used transmitter		
SUPREMA	fixed, control unit	DMT 03 ATEX G 003 X N23	19/04/2017	oxygen according to used transmitter		
SUPREMA with remote sensor series 47 K-ST, 47 K-PRP, 47 K-HT 47 K-HT-PRP	fixed, control unit and remote sensor	DMT 03 ATEX G 003 X N24	05/12/2017	see DMT 03 ATEX G 003 X N23		
SUPREMA	fixed, control unit	DMT 03 ATEX G 003 X N24	05/12/2017	see DMT 03 ATEX G 003 X N23		
SUPREMA with remote sensor series 47 K-ST, 47 K-PRP, 47 K-HT 47 K-HT-PRP	fixed, control unit and remote sensor	DMT 03 ATEX G 003 X N25	14/06/2018	see DMT 03 ATEX G 003 X N23		

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



MSA EUROPE GmbH, 8645 Jona, Switzerland (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
SUPREMA	fixed, control unit	DMT 03 ATEX G 003 X N25	14/06/2018	see DMT 03 ATEX G 003 X N23		
DF-9500 O2	fixed, remote sensor	DMT 01 ATEX E 152 X N2	24/11/2003	oxygen	electrochemical sensor	0 - 10 %(v/v)
DF-9500 O2	fixed, remote sensor	DMT 01 ATEX E 152 X N4	22/12/2006	oxygen	electrochemical sensor	0 - 10 %(v/v)
DF-9500 O2	fixed, remote sensor	DMT 01 ATEX E 152 X N5	22/12/2006	oxygen	electrochemical sensor	0 - 10 %(v/v)
EX-TOX Alarm 290 with remote sensor D-7010 or D-7100	fixed, control unit and remote sensor	BVS 03 ATEX G 010 X	01/03/2004	methane, propane, ethylene, propene, hydrogen, n-butane, ethanol, n-hexane, toluene, 2-propanol, ethyl acetate, i-butyl acetate, special boiling point spirit 65/95, n-nonane	catalytic combustion	0 - 10 % LEL 0 - 100 % LEL
				xylene (isomer mixture)	catalytic combustion	0 - 20 % LEL 0 - 100 % LEL

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



MSA EUROPE GmbH, 8645 Jona, Switzerland (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
EX-TOX Alarm 290 with remote sensors D-715K, D-7152K, D-7711K, D-7711K-PR	fixed, control unit and remote sensor	BVS 03 ATEX G 010 X	01/03/2004	methane, ethane, propane, toluene, ethanol, acetone, hydrogen	catalytic combustion	0 - 100 % LEL
EX-TOX Alarm 290	fixed, control unit	BVS 03 ATEX G 010 X	01/03/2004	combustible gases according to used remote sensor	not applicable	0 - 10 % LEL 0 - 20 % LEL
				combustible gases according to used remote sensor	not applicable	0 - 100 % LEL
				combustible gases according to used remote sensor	not applicable	0 - 100 % (v/v)
				oxygen	not applicable	0 - 30 % (v/v)

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



MSA EUROPE GmbH, 8645 Jona, Switzerland (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
EX-TOX Alarm 290 with remote sensor series 47 K-ST	fixed, control unit and remote sensor	BVS 03 ATEX G 010 X N1	30/09/2004	methane, propane	catalytic combustion	0 - 100 % LEL
EX-TOX Alarm 290 with remote sensor series 47 K-PRP	fixed, control unit and remote sensor	BVS 03 ATEX G 010 X N2	08/11/2004	methane	catalytic combustion	0 - 100 % LEL
EX-TOX Alarm 290	fixed, control unit	BVS 03 ATEX G 010 X N3	03/03/2006	see BVS 03 ATEX G 010 X and N1, N2		

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



MSA EUROPE GmbH, 8645 Jona, Switzerland (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
EX-TOX Alarm 290 with remote sensor series 47 K-ST	fixed, control unit and remote sensor	BVS 03 ATEX G 010 X N4	19/05/2006	2-butanone, acetone, acetylene, ammonia, 1,3-butadiene, diethyl ether, acetic acid, acetic anhydride, ethane, ethanol, ethylene, ethyl acetate, ethylene oxide, special boiling point spirit 65/95, i-butyl acetate, n-butyl acetate, n-butane, n-hexane, n-nonane, n-pentane, 2-propanol, propylene, propylene oxide, toluene, hydrogen, xylene (mixed isomers), cyclopentane, allyl alcohol, l-butylene, l-butane, methanol, cyclohexane	catalytic combustion	0 - 100 % LEL
EX-TOX Alarm 290 with remote sensor series 47 K-HT	fixed, control unit and remote sensor	BVS 03 ATEX G 010 X N5	05/07/2006	methane, propane, 2-butanone, acetone, ethanol, ethyl acetate, toluene	catalytic combustion	0 - 100 % LEL

MSA EUROPE GmbH, 8645 Jona, Switzerland (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
EX-TOX Alarm 290 with remote sensor series 47 K-PRP	fixed, control unit and remote sensor	BVS 03 ATEX G 010 X N6	26/03/2007	methane, propane, 2-butanone, acetone, ethanol, ethyl acetate, special boiling point spirit 65/95, 1-propanol, 2-propanol, propylene, toluene, hydrogen, 1-ethoxy-2-propanol	catalytic combustion	0 - 100 % LEL
DF-7010, DF-7100	fixed, remote sensor	DMT 99 ATEX E 023 X N3	09/06/2004	methane, propane, ethylene, propene, hydrogen, n-butane, ethanol, n-hexane, toluene, 2-propanol, ethyl acetate, i-butyl acetate, special boiling point spirit 65/95, n-nonane	catalytic combustion	0 - 10 % LEL 0 - 100 % LEL
				xylene (isomer mixture)	catalytic combustion	0 - 20 % LEL 0 - 100 % LEL
Orion Plus	portable, multi gas detector	BVS 03 ATEX E 270 X N1	13/08/2004	methane, propane	catalytic combustion	0 - 100 % LEL
				oxygen	electrochemical sensor	0 - 25 % (v/v)

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



MSA EUROPE GmbH, 8645 Jona, Switzerland (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Orion Plus	portable, multi gas detector	BVS 03 ATEX E 270 X N4	10/08/2006	methane, propane	catalytic combustion	0 - 100 % LEL
				propane, butane	infrared absorption	0 - 25 %(v/v)
				oxygen	electrochemical sensor	0 - 25 %(v/v)
Orion Plus	portable, multi gas detector	BVS 03 ATEX E 270 X N5	28/09/2006	methane	infrared absorption	0 - 100 %(v/v)
Orion Plus	portable, multi gas detector	BVS 03 ATEX E 270 X N6	09/03/2009	see BVS 03 ATEX E 270 X N1, N4 and N5		
Orion Plus	portable, multi gas detector	BVS 03 ATEX E 270 X N7	30/09/2009	methane, propane	catalytic combustion	0 - 100 % LEL
				propane, n-butane	infrared absorption	0 - 100 % LEL
				methane	infrared absorption	0 - 25 %(v/v)
PrimaX I	fixed, remote sensor	BVS 10 ATEX E 009 X N3	10/04/2012	oxygen	electrochemical sensor	0 - 10 %(v/v) 0 - 25 %(v/v)

MSA EUROPE GmbH, 8645 Jona, Switzerland (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
PrimaX P	fixed, remote sensor	BVS 10 ATEX E 009 X N3	10/04/2012	methane, propane, 2- butanone, acetone, ethanol, ethyl acetate, special boiling point spirit 65/95, 1-propanol, 2- propanol, propylene, toluene, hydrogen, 1- ethoxy-2-propanol	catalytic combustion	0 - 100 % LEL
				oxygen	electrochemical sensor	0 - 10 %(v/v) 0 - 25 %(v/v)
PrimaX P	fixed, remote sensor	BVS 10 ATEX E 009 X N4	25/09/2012	see BVS 10 ATEX E 009 X N3		
PrimaX I	fixed, remote sensor	BVS 10 ATEX E 009 X N5	25/03/2013	oxygen	electrochemical sensor	0 - 10 %(v/v) 0 - 25 %(v/v)
PrimaX P	fixed, remote sensor	BVS 10 ATEX E 009 X N5	25/03/2013	oxygen	electrochemical sensor	0 - 10 %(v/v) 0 - 25 %(v/v)

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



MSA EUROPE GmbH, 8645 Jona, Switzerland (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
PrimaX I	fixed, remote sensor	BVS 10 ATEX E 009 X N8	31/01/2014	see BVS 10 ATEX E 009 X N3		
PrimaX P	fixed, remote sensor	BVS 10 ATEX E 009 X N8	31/01/2014	methane, propane, hydrogen	catalytic combustion	0 - 100 % LEL
				oxygen	electrochemical sensor	0 - 10 %(v/v) 0 - 25 %(v/v)
9010 SIL and 9020 SIL with remote sensor series 47 K-PRP	fixed, control unit and remote sensor	BVS 16 ATEX G 001 X	07/11/2016	methane, propane, 2-buta- none, acetone, ethanol, ethyl acetate, special boiling point spirit 65/95, 1-propanol, 2-propanol, propylene, toluene, hydrogen, 1-ethoxy-2- propanol	catalytic combustion	0 - 100 % LEL
9010 SIL and 9020 SIL with remote sensor series 47 K-HT	fixed, control unit and remote sensor	BVS 16 ATEX G 001 X	07/11/2016	methane, propane, 2-buta- none, acetone, ethanol, ethyl acetate, toluene	catalytic combustion	0 - 100 % LEL

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



MSA EUROPE GmbH, 8645 Jona, Switzerland (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
9010 SIL and 9020 SIL with remote sensor series 47 K-HT-PRP	fixed, control unit and remote sensor	BVS 16 ATEX G 001 X	07/11/2016	methane	catalytic combustion	0 - 100 % LEL
9010 SIL and 9020 SIL with remote sensor series 47 K-ST	fixed, control unit and remote sensor	BVS 16 ATEX G 001 X	07/11/2016	methane, propane, 2-butanone, acetone, acetylene, ammonia, 1,3-butadiene, diethyl ether, acetic acid, acetic anhydride, ethane, ethanol, ethylene, ethyl acetate, ethylene oxide, special boiling point spirit 65/95, i-butyl acetate, n-butyl acetate, n-butane, n-hexane, n-nonane, n-pentane, 2-propanol, propylene, propylene oxide, toluene, hydrogen, xylene (mixed isomers), cyclopentane, allyl alcohol, 1-butylene, 1-butane, methanol, cyclohexane	catalytic combustion	0 - 100 % LEL

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



MSA EUROPE GmbH, 8645 Jona, Switzerland (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
9010 SIL and 9020 SIL with transmitters	fixed, control unit	BVS 16 ATEX G 001 X	07/11/2016	combustible gases or oxygen according to used transmitter		

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Mine Safety Appliances Company, LLC, Pittsburgh, PA 15230-0427, USA

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Orion	portable, multi gas detector	DMT 01 ATEX E 001 X N3	28/02/2003	propane	catalytic combustion	0 - 100 % LEL
				oxygen	electrochemical sensor	0 - 25 %(v/v)
Orion	portable, multi gas detector	DMT 01 ATEX E 001 X N5	17/04/2003	methane, n-pentane	catalytic combustion	0 - 100 % LEL
				oxygen	electrochemical sensor	0 - 25 %(v/v)
Orion	portable, multi gas detector	DMT 01 ATEX E 001 X N6	15/01/2004	methane, propane, n-pentane	catalytic combustion	0 - 100 % LEL
				oxygen	electrochemical sensor	0 - 25 %(v/v)
Orion	portable, multi gas detector	DMT 01 ATEX E 001 X N7	20/04/2004	methane, propane, n-pentane	catalytic combustion	0 - 100 % LEL
				oxygen	electrochemical sensor	0 - 25 %(v/v)
Orion	portable, multi gas detector	DMT 01 ATEX E 001 N9	09/03/2009	see DMT 01 ATEX E 001 N7		
Passport FiveStar	portable, multi gas detector	BVS 03 ATEX G 017	16/01/2004	methane, propane, n-pentane	catalytic combustion	0 - 100 % LEL

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Mine Safety Appliances Company, LLC, Pittsburgh, PA 15230-0427, USA (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Ultima XE	fixed, remote sensor	DMT 02 ATEX E 202 X N3	23/11/2004	methane, propane, n-pentane	catalytic combustion	0 - 100 % LEL
Ultima XE	fixed, remote sensor	DMT 02 ATEX E 202 X N3	23/11/2004	oxygen	electrochemical sensor	0 - 10 %(v/v)
Ultima XE	fixed, remote sensor	DMT 02 ATEX E 202 X N5	29/03/2005	see DMT 02 ATEX E 202 X N3		
Ultima XE	fixed, remote sensor	DMT 02 ATEX E 202 X N7	25/04/2006	see DMT 02 ATEX E 202 X N3		
Ultima XE	fixed, remote sensor	DMT 02 ATEX E 202 X N9	03/07/2006	2-butanone, acetone, acetylene, 1,3-butadiene, diethyl ether, ethane, ethanol, ethylene, ethyl acetate, ethylene oxide, special boiling point spirit 65/95, n-butane, n- hexane, n-pentane, 2- propanol, propylene, propylene oxide, hydrogen, cyclopentane, allyl alcohol, I-butylene, I- butane, methanol, cyclohexane	catalytic combustion	0 - 100 % LEL

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Mine Safety Appliances Company, LLC, Pittsburgh, PA 15230-0427, USA (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Ultima XE	fixed, remote sensor	DMT 02 ATEX E 202 X N10	03/07/2006	oxygen	electrochemical sensor	0 - 10 %(v/v)
Ultima XE	fixed, remote sensor	DMT 02 ATEX E 202 X N11	28/10/2008	see DMT 02 ATEX E 202 X N3 and N9		
Ultima XE	fixed, remote sensor	DMT 02 ATEX E 202 X N12	02/05/2011	see DMT 02 ATEX E 202 X N3 and N9		
Ultima XE	fixed, remote sensor	DMT 02 ATEX E 202 X N15	21/04/2015	see DMT 02 ATEX E 202 X N3 and N9		
Ultima XIR	fixed, remote sensor	DMT 02 ATEX E 202 X N3	23/11/2004	methane, propane, ethylene, n-pentane	infrared absorption	0 - 100 % LEL
Ultima XIR	fixed, remote sensor	DMT 02 ATEX E 202 X N5	29/03/2005	see DMT 02 ATEX E 202 X N3		
Ultima XIR	fixed, remote sensor	DMT 02 ATEX E 202 X N7	25/04/2006	see DMT 02 ATEX E 202 X N3		

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Mine Safety Appliances Company, LLC, Pittsburgh, PA 15230-0427, USA (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Ultima XIR	fixed, remote sensor	DMT 02 ATEX E 202 X N9	03/07/2006	2-butanone, acetone, 1,3-butadiene, diethyl ether, ethane, ethanol, ethyl acetate, ethylene oxide, special boiling point spirit 65/95, i-butyl acetate, n-butyl acetate, n-butane, n-hexane, n-nonane, n-pentane, 2-propanol, propylene, propylene oxide, toluene, xylene (mixed isomers), cyclopentane, allyl alcohol, l-butylene, l-butane, methanol	infrared absorption	0 - 100 % LEL
Ultima XIR	fixed, remote sensor	DMT 02 ATEX E 202 X N11	28/10/2008	see DMT 02 ATEX E 202 X N3 and N9		
Ultima XIR	fixed, remote sensor	DMT 02 ATEX E 202 X N12	02/05/2011	see DMT 02 ATEX E 202 X N3 and N9		

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Mine Safety Appliances Company, LLC, Pittsburgh, PA 15230-0427, USA (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Ultima XIR	fixed, remote sensor	DMT 02 ATEX E 202 X N15	21/04/2015	see DMT 02 ATEX E 202 X N3 and N9		
Ultima XI	fixed, remote sensor	DMT 02 ATEX E 202 X N6	25/04/2006	methane, propane, ethylene, n-pentane	infrared absorption	0 - 100 % LEL
Ultima XI	fixed, remote sensor	DMT 02 ATEX E 202 X N9	03/07/2006	2-butanone, acetone, 1,3- butadiene, diethyl ether, ethane, ethanol, ethyl acetate, ethylene oxide, special boiling point spirit 65/95, i-butyl acetate, n- butyl acetate, n-butane, n- hexane, n-nonane, n- pentane, 2-propanol, propylene, propylene oxide, toluene, xylene (mixed isomers), cyclo- pentane, allyl alcohol, l- butylene, l-butane, methanol	infrared absorption	0 - 100 % LEL

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Mine Safety Appliances Company, LLC, Pittsburgh, PA 15230-0427, USA (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Ultima XI	fixed, remote sensor	DMT 02 ATEX E 202 X N11	28/10/2008	see DMT 02 ATEX E 202 X N6 and N9		
Ultima XI	fixed, remote sensor	DMT 02 ATEX E 202 X N12	02/05/2011	see DMT 02 ATEX E 202 X N6 and N9		
PrimaX IR	fixed, remote sensor	BVS 10 ATEX E 157 X N2	15/07/2013	methane, propane	infrared absorption	0 - 100 % LEL
PrimaX IR	fixed, remote sensor	BVS 10 ATEX E 157 X N3	27/01/2014	ethane, n-butane, n- pentane, n-hexane, propylene, propylene oxide, acetone, cyclopentane, ethyl acetate	infrared absorption	0 - 100 % LEL
				i-butane		0 - 70 % LEL
				toluene		0 - 50 % LEL
PrimaX IR	fixed, remote sensor	BVS 10 ATEX E 157 X N5	19/04/2016	see BVS 10 ATEX E 157 X N2 and N9		

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



M&C TechGroup Germany GmbH, 40885 Ratingen, Germany

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
PMA 30, PMA 50 EX	fixed	BVS 18 ATEX G 001 X	18/12/2018	oxygen	paramagnetic	0 - 1 %, 0 - 3 % 0 - 10 % 0 - 25 %

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Oldham S.A.S., Arras, BP417, France

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
MX 62	fixed, control unit	BVS 07 ATEX G 001 X	08/04/2008	combustible gases and oxygen according to used remote sensor	not applicable	
MX 62	fixed, control unit	BVS 07 ATEX G 001 X N1	26/02/2013	see BVS 07 ATEX G 001 X	not applicable	

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Oldham - Winter GmbH, 44319 Dortmund, Germany

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
WinPro	fixed, control unit	BVS 03 ATEX G 002 X	31/07/2003	combustible gases according to used remote sensor	not applicable	0 - 20 % LEL
				combustible gases according to used remote sensor	not applicable	0 - 100 % LEL
				combustible gases according to used remote sensor	not applicable	0 - 100 %(v/v)
				oxygen	not applicable	0 - 10 %(v/v)
WinPro	fixed, control unit	BVS 03 ATEX G 002 X N1	19/12/2005	see BVS 03 ATEX G 002 X	not applicable	
WinPro	fixed, control unit	BVS 03 ATEX G 002 X N2	24/08/2006	see BVS 03 ATEX G 002 X	not applicable	
WinPro	fixed, control unit	BVS 03 ATEX G 002 X N3	23/10/2007	see BVS 03 ATEX G 002 X	not applicable	
WinPro	fixed, control unit	BVS 03 ATEX G 002 X N4	24/02/2012	see BVS 03 ATEX G 002 X	not applicable	

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Oldham - Winter GmbH, 44319 Dortmund, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
TBGW-Ex	fixed, remote sensor	BVS 03 ATEX E 101	12/08/2003	sensor type 1	catalytic combustion	
				methane, propane, n-butane, n-hexane		0 - 100 % LEL
				acetone, cyclohexane		0 - 70 % LEL
				hydrogen		0 - 50 % LEL
TBGW-Ex	fixed, remote sensor	BVS 03 ATEX E 101	12/08/2003	sensor type 2	catalytic combustion	
				methane, propane, acetone, acetylene, n-butane, ethyl acetate, n- hexane, toluene, hydrogen		0 - 100 % LEL
				2-propanol, cyclohexane		0 - 70 % LEL
				n- nonane		0 - 60 % LEL
				diethyl ether		0 - 50 % LEL
				ammonia		0 - 20 % LEL

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Oldham - Winter GmbH, 44319 Dortmund, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
TBGW-Ex	fixed, remote sensor	BVS 03 ATEX E 101	12/08/2003	sensor type 3	catalytic combustion	0 - 100 % LEL
				methane, propane, n-butane, cyclohexane, diethyl ether, n-hexane, hydrogen		
				ethyl acetate, n-nonane		
TBGW-Ex	fixed, remote sensor	BVS 03 ATEX E 101 N2	08/03/2010	see BVS 03 ATEX E 101 sensor types 1 and 2	catalytic combustion	
WinGas (Digital)	fixed, control unit	BVS 05 ATEX G 004 X	29/11/2005	combustible gases according to used remote sensor	not applicable	0 - 100 % LEL
				combustible gases according to used remote sensor	not applicable	0 - 100 %(v/v)
				oxygen according to used remote sensor	not applicable	0 - 25 %(v/v)
WinGas (Digital)	fixed, control unit	BVS 05 ATEX G 004 X N1	27/01/2011	see BVS 05 ATEX G 004 X		

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



SICK AG, 22399 Hamburg, Germany

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
EuroFID 3010 (inline version)	fixed	BVS 05 ATEX G 005 X	26/09/2005	propane, acetone, methanol, ethanol, ethyl acetate	flame ionisation	0 - 100 % LEL
EuroFID 3010 (inline version)	fixed	BVS 05 ATEX G 005 X N1	08/03/2006	see BVS 05 ATEX G 005 X	flame ionisation	0 - 100 % LEL
EuroFID 3010 (inline version)	fixed	BVS 05 ATEX G 005 X N2	08/03/2006	see BVS 05 ATEX G 005 X	flame ionisation	0 - 100 % LEL
EuroFID 3010 (inline version)	fixed	BVS 05 ATEX G 005 X N3	27/09/2007	see BVS 05 ATEX G 005 X	flame ionisation	0 - 100 % LEL
EuroFID 3010 (inline version)	fixed	BVS 05 ATEX G 005 X N4	24/03/2011	see BVS 05 ATEX G 005 X	flame ionisation	0 - 100 % LEL
EuroFID 3010 (inline version)	fixed	BVS 05 ATEX G 005 X N5	30/01/2014	propane, n-hexane, acetone, methanol, ethanol, ethyl acetate	flame ionisation	0 - 100 % LEL
EuroFID 3010 (inline version)	fixed	BVS 05 ATEX G 005 X N6	17/10/2014	Parafol 1014	flame ionisation	0 - 100 % LEL
EuroFID 3010 (inline version)	fixed	BVS 05 ATEX G 005 X N8	27/11/2015	see BVS 05 ATEX G 005 X N5 and N6	flame ionisation	0 - 100 % LEL

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



SICK AG, 22399 Hamburg, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
EuroFID 3010 Inline UEG	fixed	BVS 05 ATEX G 005 X N9	27/02/2018	propane, n-hexane, acetone, methanol, ethanol, ethyl acetate, Parafol 1014	flame ionisation	0 - 100 % LEL
EuroFID 3010 Extraktiv UEG	fixed	BVS 05 ATEX G 005 X N9	27/02/2018	propane, n-hexane, acetone, methanol, ethanol, ethyl acetate, Parafol 1014	flame ionisation	0 - 100 % LEL
EuroFID 3010 Inline UEG	fixed	BVS 05 ATEX G 005 X N10	27/11/2018	n-heptane	flame ionisation	0 - 100 % LEL
EuroFID 3010 Extraktiv UEG	fixed	BVS 05 ATEX G 005 X N10	27/11/2018	n-heptane	flame ionisation	0 - 100 % LEL

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SICK AG, 22399 Hamburg, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Sidor	fixed	BVS 06 ATEX G 002 X	14/12/2006	methane	infrared absorption	0 - 80 %(v/v) 0 - 100 %(v/v)
				oxygen	paramagnetic or electrochemical sensor	0 - 10 %(v/v)
Sidor	fixed	BVS 06 ATEX G 002 X N1	20/02/2008	methane	infrared absorption	0 - 80 %(v/v) 0 - 100 %(v/v)
				oxygen	paramagnetic or electrochemical sensor	0 - 10 %(v/v) 0 - 25 %(v/v)

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Siemens AG, 76187 Karlsruhe, Germany

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
Oxymat 6E, Oxymat 6F	fixed	BVS 03 ATEX G 013 X	17/10/2003	oxygen	paramagnetic	0 - 2..21 %(v/v)
Oxymat 6F	fixed	BVS 03 ATEX G 013 X N1	17/10/2003	oxygen	paramagnetic	0 - 2..21 %(v/v)
Oxymat 6F	fixed	BVS 03 ATEX G 013 X N2	17/10/2003	oxygen	paramagnetic	0 - 2..21 %(v/v)
Oxymat 6F	fixed	BVS 03 ATEX G 013 X N3	17/10/2003	oxygen	paramagnetic	0 - 2..21 %(v/v)

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Wolke Industrieelektronik GmbH, 42551 Velbert, Germany

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
METHEX 100	fixed, control unit and remote sensor	DMT 03 ATEX E 065 X N3	19/12/2005	methane	thermal conductivity	0 - 100 %(v/v)
METHEX 100	fixed, control unit and remote sensor	DMT 03 ATEX E 065 X N4	03/03/2006	methane	thermal conductivity	0 - 100 %(v/v)
Methawo 5.100 (type HMG 01.03)	portable	BVS 07 ATEX E 153 X N1	17/07/2008	methane	catalytic combustion	0 - 100 % LEL
					thermal conductivity	0 - 100 %(v/v)
Methawo 5.100 (type HMG 01.03)	portable	BVS 07 ATEX E 153 X N2	14/11/2008	see BVS 07 ATEX E 153 X N1		
Methawo 5.100 (type HMG 01.03)	portable	BVS 07 ATEX E 153 X N3	01/06/2012	see BVS 07 ATEX E 153 X N1		
Methawo 5.100 (type HMG 01.03)	portable	BVS 07 ATEX E 153 X N4	28/01/2013	see BVS 07 ATEX E 153 X N1		
ANNOVEX GMA 01.04.xxx	fixed, transmitter	DMT 03 ATEX E 065 X N8	27/09/2017	methane	infrared absorption	0 - 5 %(v/v)

List of EC- or EU-type examination certificates for gas detection equipment with a measuring function for explosion protection, issued by DEKRA Testing and Certification GmbH, DEKRA EXAM GmbH, EXAM BBG Prüf- und Zertifizier GmbH or Deutsche Montan Technologie GmbH



Wolke Industrieelektronik GmbH, 42551 Velbert, Germany (continued)

equipment	type	certificate	date	gases/vapours	measuring principle	measuring range
MONIMET GMM 01.04.xxx	fixed, transmitter	DMT 03 ATEX E 065 X N8	27/09/2017	methane	infrared absorption	0 - 5 %(v/v)