

TN2029: D-ReX Gas Table

Gas Name	CAS RN	Formula	Type	Range	Tolerance Band	Resolution	Default US Alarm 1	Default US Alarm 2	Part No	GfG Sensor Type	Max Sensor Warm-up Time	Sensor Cassette	Particulate Filter*	Rec. Max Sample Line Length (m)	Calibration & Bump Test		
															Cal Gas	Concentration Cal Gas	Display
Acetylene	74-86-2	C ₂ H ₂	CC	100 % LEL	2.5 % LEL	0.5 % LEL	10 % LEL	20 % LEL	3600156	MK221-10	30 s	SC1.C	F1/F2/F3	30	C ₂ H ₂	50 % LEL	50 % LEL
Ammonia	7664-41-7	NH ₃	EC	100 ppm 200 ppm	2 ppm	0.5 ppm	25.0 ppm	35 ppm	3600068	MK393-10	1 min	any	F1/F2/F3	10	NH ₃	100 ppm	100 ppm
Ammonia	7664-41-7	NH ₃	EC	500 ppm 1000 ppm 1500 ppm	5 ppm 5 ppm 10 ppm	2 ppm 2 ppm 5 ppm	25 ppm	35 ppm	3600069	MK399-10	1 min	any	F1/F2/F3	10	NH ₃	100 ppm 1000 ppm 1000 ppm	100 ppm 1000 ppm 1000 ppm
Ammonia	7664-41-7	NH ₃	EC	5000 ppm	50 ppm	10 ppm	25 ppm	35 ppm	3600070	MK455-10	1 min	any	F1/F2/F3	10	NH ₃	1000 ppm	1000 ppm
Arsine	7784-42-1	AsH ₃	EC	1 ppm 2 ppm	0.015 ppm	0.005 ppm	0.05 ppm	0.1 ppm	3600040	MK482-10	1 min	any	F1/F2/F3	30	PH ₃	0.5 ppm	0.8 ppm
Arsine (zero H ₂)	7784-42-1	AsH ₃	EC	1 ppm 2 ppm	0.015 ppm	0.005 ppm	0.05 ppm	0.1 ppm	3600041	MK483-10	1 min	any	F1/F2/F3	30	PH ₃	1 ppm	1.2 ppm
Butane	106-97-8	C ₄ H ₁₀	CC	100 % LEL	2.5 % LEL	0.5 % LEL	10 % LEL	20 % LEL	3600153	MK221-10	30 s	SC1.C	F1/F2/F3	30	C ₄ H ₁₀	50 % LEL	50 % LEL
Carbon dioxide	124-38-9	CO ₂	IR	25 vol % 50 vol %	no	0.1 vol %	1 vol %	2 vol %	3600203	MK252-10	1 min	any	F1/F2/F3	30	CO ₂	10-25 vol % 10-50 vol %	10-25 vol % 10-50 vol %
Carbon dioxide	124-38-9	CO ₂	IR	10 vol %	no	0.01 vol %	0.5 vol %	1 vol %	3600202	MK260-10	1 min	any	F1/F2/F3	30	CO ₂	3 vol %	3 vol %
Carbon dioxide	124-38-9	CO ₂	IR	5 vol %	no	0.01 vol %	0.5 vol %	1 vol %	3600200	MK250-10	1 min	any	F1/F2/F3	30	CO ₂	3 vol %	3 vol %
Carbon dioxide	124-38-9	CO ₂	IR	10000 ppm 1 vol %	no	10 ppm 0.001 vol %	1000 ppm 0.5 vol %	1500 ppm 1 vol %	3600201	MK251-10	1 min	any	F1/F2/F3	30	CO ₂	10000 ppm 1 vol %	10000 ppm 1 vol %
Carbon monoxide	630-08-0	CO	EC	250 ppm 500 ppm 1000 ppm	2 ppm 2 ppm 3 ppm	0.5 ppm 0.5 ppm 1 ppm	25 ppm	200 ppm	3600050	MK443-10	40 s	any	F1/F2/F3	30	CO	100 ppm	100 ppm
Chlorine	7782-50-5	Cl ₂	EC	5 ppm 10 ppm 20 ppm	0.10 ppm	0.02 ppm 0.05 ppm 0.05 ppm	0.5 ppm	1 ppm	3600053	MK474-10	1 min	any	F3	10	Cl ₂	5 ppm	5 ppm
Chlorine dioxide	10049-04-4	ClO ₂	EC	1 ppm 2 ppm	0.03 ppm	0.01 ppm	0.1 ppm	0.2 ppm	3600055	MK391-10	1 min	any	F3	10	Cl ₂	3 ppm	1.5 ppm
Diborane	19287-45-7	B ₂ H ₆	EC	1 ppm 2 ppm	0.01 ppm	0.002 ppm	0.1 ppm	0.2 ppm	3600043	MK484-10	1 min	any	F1/F2/F3	30	PH ₃	0.5 ppm	0.7 ppm
Dichlorosilane (DCS)	4109-96-0	SiH ₂ Cl ₂	EC	30 ppm 50 ppm	0.4 ppm	0.1 ppm	5 ppm	10 ppm	3600078	MK479-12	up to 8 h*	any	F3	5	HCl	10 ppm	10 ppm
Ethane	74-84-0	C ₂ H ₆	CC	100 % LEL	2.5 % LEL	0.5 % LEL	10 % LEL	20 % LEL	3600158	MK221-10	30 s	SC1.C	F1/F2/F3	30	C ₂ H ₆	50 % LEL	50 % LEL
Ethylene	74-85-1	C ₂ H ₄	CC	100 % LEL	2.5 % LEL	0.5 % LEL	10 % LEL	20 % LEL	3600157	MK221-10	30 s	SC1.C	F1/F2/F3	30	C ₂ H ₄	50 % LEL	50 % LEL

Values in red - Some sensors have alternative measuring ranges.
 Black: Default measuring range
 Red: Alternative measuring range and corresponding properties

Use the DReX-Config program or the app to change the measuring range.

* Value depends on time the device has been turned off

** Particulate filter

F1: Particulate filter 1 with 6 mm hose connection (one side), 10 µm pore size

F2: Particulate filter 2 with 6 mm hose connection (both sides), 5 µm pore size

F3: Particulate PTFE with 6 mm hose connection (both sides), 1 µm pore size and 50 mm diameter

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Gas Name	CAS RN	Formula	Type	Range	Tolerance Band	Resolution	Default US Alarm 1	Default US Alarm 2	Part No	GfG Sensor Type	Max Sensor Warm-up Time	Sensor Cassette	Particulate Filter*	Rec. Max Sample Line Length (m)	Calibration & Bump Test		
															Cal Gas	Concentration Cal Gas	Concentration Display
Ethylene oxide	75-21-8	ETO	EC	20 ppm 50 ppm	0.3 ppm 0.5 ppm	0.1 ppm	2.0 ppm	4 ppm	3600085	MK452-10	4 min to 7 d*	any	F3	30	ETO	10 ppm	10 ppm
Fluorine	7782-41-4	F ₂	EC	5 ppm	0.02 ppm	0.01 ppm	0.1 ppm	0.2 ppm	3600087	MK414-10	1 min	any	F3	10	Cl ₂	5 ppm	3.5 ppm
Germanium hydrogen	7782-65-2	GeH ₄	EC	2 ppm 5 ppm	0.015 ppm	0.005 ppm	0.2 ppm	0.4 ppm	3600088	MK487-10	1 min	any	F1/F2/F3	30	PH ₃	0.5 ppm	0.8 ppm
Hexane	110-54-3	C ₆ H ₁₄	CC	100 % LEL	2.5 % LEL	0.5 % LEL	10 % LEL	20 % LEL	3600155	MK221-10	30 s	SC1.C	F1/F2/F3	30	C ₆ H ₁₄	50 % LEL	50 % LEL
Hydrazine	302-01-2	N ₂ H ₄	EC	1 ppm 2 ppm	0.015 ppm	0.005 ppm	0.1 ppm	0.2 ppm	3600090	MK486-10	1 min	any	F3	tbd	PH ₃	1 ppm	0.5 ppm
Hydrogen	1333-74-0	H ₂	EC	1000 ppm 2000 ppm	20 ppm	2 ppm	10 % LEL	20 % LEL	3600056	MK401-10	40 s	any	F1/F2/F3	30	H ₂	1000 ppm	1000 ppm
Hydrogen	1333-74-0	H ₂	EC	1 vol % 2 vol % 4 vol %	0.005 vol % 0.01 vol % 0.01 vol %	0.002 vol % 0.002 vol % 0.005 vol %	200 ppm	400 ppm	3600057	MK407-10	40 s	any	F1/F2/F3	30	H ₂	1 vol %	1 vol %
Hydrogen	1333-74-0	H ₂	EC	1 vol % 2 vol % 4 vol %	0.005 vol % 0.01 vol % 0.01 vol %	0.002 vol % 0.002 vol % 0.005 vol %	0.4 vol %	0.8 vol %	3600058	MK407-10	40 s	any	F1/F2/F3	30	H ₂	1 vol %	1 vol %
Hydrogen	1333-74-0	H ₂	CC	100 % LEL	2.5 % LEL	0.5 % LEL	0.4 vol %	0.8 vol %	3600151	MK221-10	30 s	SC1.C	F1/F2/F3	30	H ₂	50 % LEL	50 % LEL
Hydrogen bromide	10035-10-6	HBr	EC	30 ppm 50 ppm	0.4 ppm	0.1 ppm	2 ppm	4 ppm	3600061	MK479-11	up to 8 h*	any	F3	5	HCl	10 ppm	10 ppm
Hydrogen chloride	7647-01-0	HCl	EC	30 ppm 50 ppm	0.4 ppm	0.1 ppm	2 ppm	5 ppm	3600062	MK479-10	up to 8 h*	any	F3	5	HCl	10 ppm	10 ppm
Hydrogen cyanide	74-90-8	HCN	EC	30 ppm 50 ppm 100 ppm	0.3 ppm 0.5 ppm 1 ppm	0.1 ppm 0.1 ppm 0.2 ppm	1.9 ppm	4.7 ppm	3600064	MK409-10	1 min	any	F1/F2/F3	10	HCN	20 ppm	20 ppm
Hydrogen fluoride	7664-39-3	HF	EC	10 ppm	0.5 ppm	0.1 ppm	1 ppm	2 ppm	3600066	MK475-10	1 min	any	F3	5	HCl	10 ppm	9.1 ppm
Hydrogen selenide	7783-07-5	H ₂ Se	EC	3 ppm 5 ppm	0.008 ppm 0.010 ppm	0.002 ppm 0.005 ppm	0.025 ppm	0.05 ppm	3600089	MK485-10	1 min	any	F1/F2/F3	30	PH ₃	0.5 ppm	1.25 ppm
Hydrogen sulfide	7783-06-4	H ₂ S	EC	50 ppm 100 ppm 200 ppm	0.5 ppm 0.5 ppm 1 ppm	0.1 ppm 0.1 ppm 0.2 ppm	5 ppm	10 ppm	3600059	MK445-10	1 min	any	F1/F2/F3	30	H ₂ S	15 ppm	15 ppm
Methane	74-82-8	CH ₄	CC	100 % LEL	2.5 % LEL	0.5 % LEL	10 % LEL	20 % LEL	3600150	MK221-10	30 s	SC1.C	F1/F2/F3	30	CH ₄	50 % LEL	50 % LEL
Methane	74-82-8	CH ₄	IR	5 vol %	0.05 vol %	0.01 vol %	0.5 vol %	1 vol %	3600205	MK254-10	1 min	any	F1/F2/F3	30	CH ₄	3 vol %	3 vol %
Nitrogen dioxide	10102-44-0	NO ₂	EC	30 ppm	0.15 ppm	0.05 ppm	2 ppm	4 ppm	3600095	MK459-10	1 min	any	F3	30	NO ₂	20 ppm	20 ppm

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** Particulate filter

F1: Particulate filter 1 with 6 mm hose connection (one side), 10 µm pore size

F2: Particulate filter 2 with 6 mm hose connection (both sides), 5 µm pore size

F3: Particulate PTFE with 6 mm hose connection (both sides), 1 µm pore size and 50 mm diameter

TN2029: D-ReX Gas Table

Gas Name	CAS RN	Formula	Type	Range	Tolerance Band	Resolution	Default US Alarm 1	Default US Alarm 2	Part No	GfG Sensor Type	Max Sensor Warm-up Time	Sensor Cassette	Particulate Filter*	Rec. Max Sample Line Length (m)	Calibration & Bump Test		
															Cal Gas	Concentration Cal Gas	Concentration Display
Nitrogen monoxide	10102-43-9	NO	EC	50 ppm 100 ppm	1.5 ppm 2 ppm	0.2 ppm 0.5 ppm	2.5 ppm	5 ppm	3600093	MK456-10	3 min to 1 d*	any	F1/F2/F3	30	NO	20 ppm	20 ppm
Nitrogen tri-fluoride	7783-54-2	NF ₃	Pyrolyzer + EC	50 ppm 10 ppm	1 ppm 0.5 ppm	0.1 ppm	10 ppm	20 ppm	3600067	MK475-11	1 min	any	F1/F2(**) F3	30	NF ₃	35 ppm	35 ppm
Nitrous oxide	10024-97-2	N ₂ O	IR	1000 ppm	100 ppm	10 ppm	200 ppm	400 ppm	3600210	MK262-10	~10 min	any	F3	tbd	N ₂ N ₂ O	100 vol % 1000 ppm	0 ppm 1000 ppm
Nitrous oxide	10024-97-2	N ₂ O	IR	1 vol %	0.01 vol %	0.01 vol %	0.04 vol %	0.08 vol %	3600211	MK263-10	~10 min	any	F3	tbd	N ₂ N ₂ O	100 vol % 1 vol %	0 vol % 1 vol %
Oxygen Excess & Deficiency	7782-44-7	O ₂	EC	25 vol %	±0.3 vol % Base: 20.9	0.1 vol %	19.5 vol %	23.5 vol %	3600071	MK466-10	Up to 15 min	SC1.E	F1/F2/F3	30	O ₂	20.9 vol %	20.9 vol %
Ozone	10028-15-6	O ₃	EC	1 ppm	0.02 ppm	0.01 ppm	0.1 ppm	0.2 ppm	3600073	MK411-10	1 min	any	F3	5	O ₃	0.7 ppm	0.7 ppm
Ozone	10028-15-6	O ₃	EC	5 ppm	0.02 ppm	0.01 ppm	0.1 ppm	0.2 ppm	3600074	MK473-10	1 min	any	F3	5	O ₃	0.7 ppm	0.7 ppm
Pentane	109-66-0	C ₅ H ₁₂	CC	100 % LEL	2.5 % LEL	0.5 % LEL	10 % LEL	20 % LEL	3600154	MK221-10	30 s	SC1.C	F1/F2/F3	30	C ₅ H ₁₂	50 % LEL	50 % LEL
Phosgene	75-44-5	COCl ₂	EC	2 ppm	0.02 ppm	0.01 ppm	0.1 ppm	0.2 ppm	3600052	MK349-10	30 s	any	F3	tbd	COCl ₂	1 ppm	1 ppm
Phosphine	7803-51-2	PH ₃	EC	1 ppm 2 ppm	0.01 ppm	0.01 ppm	0.1 ppm	0.5 ppm	3600075	MK478-10	1 min	any	F1/F2/F3	30	PH ₃	0.5 ppm	0.5 ppm
Propane	74-98-6	C ₃ H ₈	IR	2 vol %	0.02 vol %	0.01 vol %	0.2 vol %	0.4 vol %	3600206	MK253-10	1 min	any	F3	30	C ₃ H ₈	1 vol %	1 vol %
Propane	74-98-6	C ₃ H ₈	CC	100 % LEL	2.5 % LEL	0.5 % LEL	10 % LEL	20 % LEL	3600152	MK221-10	30 s	SC1.C	F1/F2/F3	30	C ₃ H ₈	50 % LEL	50 % LEL
Silane	7803-62-5	SiH ₄	EC	20 ppm 50 ppm	0.2 ppm	0.1 ppm	5 ppm	15 ppm	3600079	MK477-10	1 min	any	F1/F2/F3	30	SiH ₄	10 ppm	10 ppm
Sulfur dioxide	7446-09-5	SO ₂	EC	10 ppm 20 ppm 30 ppm	0.15 ppm 0.20 ppm 0.20 ppm	0.05 ppm	1 ppm	2 ppm	3600080	MK480-10	1 min	any	F3	30	SO ₂	10 ppm	10 ppm
Tetraethyl orthosilicate (TEOS)	78-10-4	C ₈ H ₂₀ O ₄ Si	EC	100 ppm 200 ppm	1 ppm	0.1ppm 0.2 ppm	10 ppm	20 ppm	3600081	MK481-10	1 min	any	F1/F2/F3	30	CO	100 ppm	45 ppm
Trimethyl borate (TMB)	593-90-8	C ₃ H ₉ BO ₃	EC	500 ppm 1000 ppm	3 ppm	1 ppm	100 ppm	200 ppm	3600082	MK481-11	1 min	any	F3	30	CO	100 ppm	270 ppm

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** Particulate filter

F1: Particulate filter 1 with 6 mm hose connection (one side), 10 µm pore size

F2: Particulate filter 2 with 6 mm hose connection (both sides), 5 µm pore size

F3: Particulate PTFE with 6 mm hose connection (both sides), 1 µm pore size and 50 mm diameter

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TN2029: D-ReX Gas Table

Gas Name	CAS RN	Formula	Type	Range	Tolerance Band	Resolution	Default EU Alarm 1	Default EU Alarm 2	Part No	GfG Sensor Type	Max Sensor Warm-up Time	Sensor Cassette	Particulate Filter*	Rec. Max Sample Line Length (m)	Calibration & Bump Test		
															Cal Gas	Concentration Cal Gas	Display
Isobutylene (i-Butylene)	115-11-7	C₄H₈	PID	2000 ppm	1 ppm	0.5 ppm	100 ppm	200 ppm	3600250	MK463-10	1 min	SC1.E	F3	Depending on the gas	C₄H₈	100 ppm	100 ppm
Gasoline (80/110)	64742-49-0	Gasoline		2000 ppm	1 ppm	0.5 ppm								e.g. 10 m for NH ₃		100 ppm	110 ppm
MIBK	108-10-1	C ₆ H ₁₂ O		2000 ppm	1 ppm	0.5 ppm										100 ppm	110 ppm
Acetone	67-64-1	C ₃ H ₆ O		2000 ppm	1 ppm	0.5 ppm										100 ppm	120 ppm
Diethyl ether	60-29-7	C ₄ H ₁₀ O		2000 ppm	1 ppm	0.5 ppm										100 ppm	120 ppm
Propene	115-07-1	C ₃ H ₆		2000 ppm	1 ppm	0.5 ppm										100 ppm	130 ppm
Methyl ethyl ketone (MEK)	78-93-3	C₄H₈O		1500 ppm	0.9 ppm	0.5 ppm										100 ppm	90 ppm (MEK)
Diesel	68476-34-6	Diesel		1500 ppm	0.9 ppm	0.5 ppm										100 ppm	90 ppm
Trichloroethylene (TRI)	79-01-6	C₂HCl₃		1000 ppm	0.6 ppm	0.2 ppm										100 ppm	50 ppm (TRI)
Benzene	71-43-2	C ₆ H ₆		1000 ppm	0.6 ppm	0.2 ppm										100 ppm	53 ppm
Toluene	108-88-3	C ₇ H ₈		1000 ppm	0.6 ppm	0.2 ppm										100 ppm	53 ppm
Xylene	1330-20-7 (Mix)	C ₈ H ₁₀		1000 ppm	0.6 ppm	0.2 ppm										100 ppm	53 ppm
Styrene	100-42-5	C₈H₈		800 ppm	0.5 ppm	0.2 ppm										100 ppm	40 ppm (Sty)
Kerosene (180/220)	8008-20-6	Kerosene		800 ppm	0.5 ppm	0.2 ppm										100 ppm	48 ppm
n-Butanol (butyl alcohol)	71-36-3	C₄H₁₀O		6000 ppm	3 ppm	1 ppm										100 ppm	340 ppm (BA)
Ethyl acetate	141-78-6	C ₄ H ₁₀ O ₂		6000 ppm	3 ppm	1 ppm										100 ppm	420 ppm
Hexane (n)	110-54-3	C ₆ H ₁₄		6000 ppm	3 ppm	1 ppm										100 ppm	450 ppm
Isopropyl alcohol (IPA)	67-63-0	C ₃ H ₈ O		6000 ppm	3 ppm	1 ppm										100 ppm	560 ppm
Ammonia	7664-41-7	NH ₃		6000 ppm	3 ppm	1 ppm										100 ppm	940 ppm
Cyclohexane	110-82-7	C₆H₁₂		3000 ppm	1.8 ppm	0.5 ppm										100 ppm	150 ppm (CHx)
Vinyl chloride	75-01-4	C ₂ H ₃ Cl		3000 ppm	1.8 ppm	0.5 ppm										100 ppm	180 ppm
Bromomethane	74-83-9	CH ₃ Br		3000 ppm	1.8 ppm	0.5 ppm										100 ppm	180 ppm
Nonane (n)	111-84-2	C ₉ H ₂₀		3000 ppm	1.8 ppm	0.5 ppm										100 ppm	160 ppm
Octane (n)	111-65-9	C ₈ H ₁₈		3000 ppm	1.8 ppm	0.5 ppm										100 ppm	220 ppm
Heptane (n)	142-82-5	C ₇ H ₁₆		3000 ppm	1.8 ppm	0.5 ppm										100 ppm	250 ppm

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F2: Particulate filter 2 with 6 mm hose connection (both sides), 5 µm pore size

F3: Particulate PTFE with 6 mm hose connection (both sides), 1 µm pore size and 50 mm diameter



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