

Ultima[®] XIR/XI

Combustible Gas List



Compound	LEL	Curve	Cal	Gas	Span Setting
Acetaldehyde	4.0	8	0.10%	Propane	29%
Acetic Acid	4.0	3	0.60%	Propane	12%
Acetone	2.5	8	0.10%	Propane	20%
Acrolein	2.8	8	0.10%	Propane	59%
Acrylic Acid	2.4	2	0.60%	Propane	10%
Allyl Alcohol	2.5	1	2.50%	Methane	85%
Allylamine	2.2	8	0.10%	Propane	18%
Amyl Acetate	1.1	1	2.50%	Methane	80%
t-Amyl Alcohol	1.3	6	0.60%	Propane	41%
Aromatic 100	0.9	1	2.50%	Methane	75%
Benzene	1.2	8	0.10%	Propane	42%
1,3 Butadiene	2.0	8	0.10%	Propane	23%
Butane	1.9	4	0.60%	Propane	29%
Butanol	1.4	6	0.60%	Propane	42%
Butene	1.6	6	0.60%	Propane	57%
Butyl Acetate	1.7	6	0.60%	Propane	40%
Butyl Acrylate	1.5	6	0.60%	Propane	45%
t-Butyl (20% LEL Full Scale)	18.0	3	0.60%	Propane	10%
Butyraldehyde	1.4	6	0.60%	Propane	65%
Cumene	0.9	1	2.50%	Methane	43%
Cyclohexane	1.3	1	2.50%	Methane	50%
Cyclohexanone	1.1	6	0.60%	Propane	74%
Cyclopentane	1.5	7	0.60%	Propane	31%
1,2 Dichloroe	6.2	8	0.10%	Propane	14%
Dicyclopentadiene (DCPD)	0.8	6	0.60%	Propane	55%
Diethylamine	1.8	2	0.60%	Propane	32%
Diethyl Ether	1.9	2	0.60%	Propane	38%
Difluoro -1- (142b) Chloroethane	6.2	8	0.10%	Propane	20%
1,1 - Difluoroethane (152a) Diisobutylene	3.7	2	0.60%	Propane	52%
Diisobutylene	0.8	2	0.60%	Propane	52%
Diisopropyl Ether	1.4	6	0.60%	Propane	34%
Dimethylamine	2.8	2	0.60%	Propane	37%
Dimethylaminopropylamine (DMAPA)	2.3	2	0.60%	Propane	29%
Dimethyl Ether	3.4	2	0.60%	Propane	32%
Dimethyl-ethylamine (DMEA)	2.3	2	0.60%	Propane	22%
Dimethylisopropylamine (DMIPA)	1.0	6	0.60%	Propane	47%
1,4-Dioxane	0.0	4	0.60%	Propane	42%
1,3-Dioxolane	2.1	2	0.60%	Propane	35%
Epichlorohydrin	3.8	6	0.60%	Propane	46%
Ethane	3.0	3	0.60%	Propane	25%
Ethanol	3.3	6	0.60%	Propane	31%
Ethyl Acetate	2.0	6	0.60%	Propane	60%
Ethyl Acrylate	1.4	8	0.10%	Propane	15%
Ethyl Benzene	0.8	8	0.10%	Propane	15%
Ethylene	2.7	8	0.10%	Propane	28%
Ethylene Glycol Monomethyl Ether	1.8	6	0.60%	Propane	60%
Ethylene Oxide	3.0	6	0.60%	Propane	52%
Gasoline (as Hexane)	1.4	6	0.60%	Propane	41%
Heptane	1.1	2	0.60%	Propane	35%
Hexamethyl-disiloxane (HMDS)	0.5	8	0.10%	Propane	22%
Hexane	1.1	6	0.60%	Propane	41%
Isobutane	1.8	2	0.60%	Propane	30%
Isobutyl Alcohol	1.7	6	0.60%	Propane	41%
Isobutyl (Isobutyrate) (IBIB)	1.0	1	2.50%	Methane	25%

Ultima XIR/XI Combustible Gas List, continued

Compound	LEL	Curve	Cal	Gas	Span Setting
Isobutylene	1.8	6	0.60%	Propane	62%
Isopropanol	2.0	6	0.60%	Propane	47%
Isopropyl Acetate	1.8	6	0.60%	Propane	57%
Isopropyl Amine	2.0	6	0.60%	Propane	41%
JP-5	0.1	6	0.10%	Propane	41%
Methane	5.0	1	2.50%	Methane	50%
Methanol	6.0	3	0.60%	Propane	23%
Methoxypropylamine	2.3	6	0.60%	Propane	55%
Methyl Acetate	3.1	5	0.60%	Propane	46%
Methyl Amyl Ketone (MAK)	1.1	6	0.60%	Propane	51%
Methyl Cellosolve	1.8	6	0.60%	Propane	60%
Methyl Chloride	8.1	6	0.60%	Propane	48%
Methyl Chloroform (1,1,1-Trichloromethane)	0.1	6	0.60%	Propane	85%
Methylene Chloride	13.0	1	2.50%	Methane	68%
Methyl Ethyl Ketone (MEK)	1.4	1	2.50%	Methane	72%
Methyl Formate	4.5	4	0.60%	Propane	29%
Methyl Isobutyl Ketone (MIBK)	2.1	6	0.60%	Propane	54%
Methyl Methacrylate	1.7	6	0.60%	Propane	57%
Methyl Propyl Ketone (MPK)	1.5	6	0.60%	Propane	54%
Methyl Tert-butyl Ether (MTBE)	1.6	2	0.60%	Propane	29%
Morpholine	1.4	6	0.60%	Propane	59%
Naphtha, VM&	0.9	6	0.60%	Propane	41%
Nitro Methane	7.3	8	0.10%	Propane	45%
Pentane	1.5	5	0.60%	Propane	33%
Petroleum Vapor	5.0	1	25%	Methane	50%
Propane	2.1	2	0.60%	Propane	29%
n-Propanol	2.2	2	0.60%	Propane	36%
Propionaldehyde (Propanal)	2.6	6	0.60%	Propane	69%
Propyl Acetate	1.7	6	0.60%	Propane	41%
Propyl Bromide	3.8	2	0.60%	Propane	23%
Propylene	2.0	9	0.60%	Propane	CP
Propyleneimine 1.32	1.32	6	0.60%	Propane	72%
Propylene Oxide	2.3	2	0.60%	Propane	38%
Pyridine	1.8	8	0.10%	Propane	20%
Styrene	0.9	8	0.10%	Propane	45%
Tetrahydrofuran (THF)	2.0	2	0.60%	Propane	40%
Tetrahydropyran (THP)	1.6	6	0.60%	Propane	40%
tert - Butanol	2.4	2	0.60%	Propane	27%
Toluene	1.1	8	0.10%	Propane	18%
1,1,1 - Trichloroethane	7.5	8	0.10%	Propane	20%
Triethylamine	1.2	6	0.60%	Propane	36%
Trimethylamine	2.0	2	0.60%	Propane	38%
Turpentine	0.8	8	0.10%	Propane	20%
Vinyl Acetate	2.6	8	0.10%	Propane	63%
Vinyl Trimethoxysilane	0.0	2	0.60%	Propane	35%
Xylenes (O-Xylene)	0.9	1	2.50%	Methane	59%

Compounds Not Detectable with the Ultima XIR Gas Monitor

Acetonitrile
 Acrylonitrile
 Chlorobenzene
 Dimethylformamide
 Methyl Acetylene
 Vinyl Chloride/Vinyl Fluoride

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