

31. Searchpoint Optima Plus

Calibrations

31.1 Calibrations for Hydrocarbon Searchpoint Optima Plus Instruments

One of the following calibrations must accompany each order for Searchpoint Optima Plus.

Calibrated using EN50054 LEL Values

	Table Name	Full Scale	LEL (%V/V)	3rd Party Approved	Part Number
Standard Gases	Methane	100%LEL	5	Y	2108D3001
	Ethane	100%LEL	3		2108D3002
	Propane	100%LEL	2	Y	2108D3004
	Butane	100%LEL	1.5	Y	2108D3005
Special Gases	Propene	100%LEL	2		2108D3006
	Acetone	100%LEL	2.15		2108D3012
	Butan-1-ol	100%LEL	1.4		2108D3018
	Butyl acetate	100%LEL	1.2		2108D3020
	Butanone	100%LEL	1.8		2108D3023
	Cyclohexane	100%LEL	1.2		2108D3024
	Cyclohexanone	100%LEL	1.3		2108D3026
	Ethanol	100%LEL	3.3		2108D3028
	Ethyl acetate	100%LEL	2.1		2108D3030
	Heptane	100%LEL	1.1		2108D3032
	Hexane	100%LEL	1.2		2108D3034
	Methanol	100%LEL	5.5		2108D3040
	Toluene	100%LEL	1.2		2108D3042
	o-Xylene	100%LEL	1		2108D3044
	Diethyl ether	100%LEL	1.7		2108D3048
	p-Xylene	100%LEL	1		2108D3054
	Pentanes	100%LEL	1.4		2108D3056
	Dimethyl ether	100%LEL	3		2108D3059
	N,N-Dimethyl formamide (DMF)	100%LEL	2.2		2108D3064
	Propane	100%LEL	2	Y	2108D3073

Calibrated using EN60079-20-1:2010 LEL Values

	Table Name	Full Scale	LEL (%V/V)	3rd Party Approved	Part Number
Standard Gases	Methane	100%LEL	4.4	Y	2108D3170
	Propane	100%LEL	1.7	Y	2108D3172
	Butane	100%LEL	1.4	Y	2108D3173
Special Gases	Acetone	100%LEL	2.5	Y	2108D3013
	Butyl acetate	100%LEL	1.2	Y	2108D3021
	Ethanol	100%LEL	3.1	Y	2108D3029
	Hexane	100%LEL	1	Y	2108D3035
	Propan-2-ol	100%LEL	2	Y	2108D3037
	o-Xylene	100%LEL	1	Y	2108D3045
	Octane	100%LEL	0.8		2108D3062
	Isobutane	100%LEL	1.3		2108D3070
	Chloroethane	100%LEL	3.6		2108D3084
	1,2-Dichloroethane	100%LEL	6.2		2108D3090
	Dimethyl ether	100%LEL	2.7	Y	2108D3098
	Propene	100%LEL	2	Y	2108D3174

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Calibrated using EN61779 LEL Values continued

	Table Name	Full Scale	LEL (%V/V)	3rd Party Approved	Part Number
Standard Gases	Ethane	100%LEL	2.5		2108D3171
	Butan-1-ol	100%LEL	1.7	Y	2108D3019
	Butanone	100%LEL	1.8	Y	2108D3023
	Cyclohexane	100%LEL	1.2		2108D3025
	Cyclohexanone	100%LEL	1	Y	2108D3027
	Ethyl acetate	100%LEL	2.2	Y	2108D3031
Special Gases	Heptane	100%LEL	1.1	Y	2108D3033
	Propyl acetate	100%LEL	1.7		2108D3039
	Methanol	100%LEL	5.5	Y	2108D3041
	Toluene	100%LEL	1.1	Y	2108D3043
	Diethyl ether	100%LEL	1.7		2108D3049
	p-Xylene	100%LEL	1	Y	2108D3055
	Pentanes	100%LEL	1.4		2108D3056
	i-Propyl Acetate	100%LEL	1.8		2108D3078
	Propan-1-ol	100%LEL	2.2		2108D3085

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Additional Ranges Offered

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Table Name	Full Scale	LEL (%V/V)	3rd Party Approved	Part Number
Hexamethy disiloxane (HMDS)	100%LEL	1.3		2108D3017
Propan-2-ol	100%LEL	2		2108D3036
Propyl acetate	100%LEL	1.8		2108D3038
Benzin 60/95	100%LEL	1	Y	2108D3047
Methane V/V	100%V/V	NA		2108D3050
Decamethy tetrasiloxane (DCMTS)	100%LEL	0.9		2108D3060
Octane	100%LEL	1		2108D3061
Octamethyl tetrasiloxane (OMTS)	100%LEL	0.9		2108D3063
Methyl isobutyl Ketone (MIBK)	100%LEL	1.2		2108D3068
Isobutane	100%LEL	1.8		2108D3069
1-Pentene	100%LEL	1.4		2108D3077
1-Octene	100%LEL	0.7		2108D3081
1-Hexene	100%LEL	1.2		2108D3083
Methane 100k	100k ppm	NA		2108D3087
Ethylene 100k	100k ppm	NA		2108D3088
Propane 100k	100k ppm	NA		2108D3089
Propene 50k	50k ppm	NA		2108D3092
1-Methoxy-2-Propanol	100%LEL	1.8	Y	2108D3093
3-Ethoxy-1-Propanol	100%LEL	1.3		2108D3094
Propane 10k	10k ppm	NA	Y	2108D3096
Propane 5k	5kppm	NA	Y	2108D3097
Propane 400k	400k ppm	NA		2108D3100
Propylene Glycol Methyl Ether Acetate (PGMEA)	100%LEL	1.3		2108D3101
Propane 600k	600k ppm	NA		2108D3102
Propane 20k	20k ppm	NA		2108D3105
Butane 18k	18k ppm	NA		2108D3107
Methyl amyl Ketone (MIAK)	100%LEL	1.3		2108D3108
1-Ethoxy-2-Propanol	100%LEL	1.3	Y	2108D3111
Band A	100%LEL	NA		2108D3150
Band B	100%LEL	NA		2108D3151
Band C	100%LEL	NA		2108D3152
Band D	100%LEL	NA		2108D3153
Propane 5k	5k ppm	NA	Y	2108D3175

Special Gases

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Additional Ranges Offered

Instruments

Additional Ranges Offered

	Table Name	Full Scale	LEL (%V/V)	3rd Party Approved	Part Number
Standard Gases	Ethylene	100%LEL	2.7	Y	2108D3225
Special Gases	Benzene	100%LEL	1.2		2108D3227
	Styrene	100%LEL	1.1		2108D3228
	Buta-1,3-diene	100%LEL	1.4		2108D3229

Calibrated using EN60079-20-1:2010 LEL Values

	Table Name	Full Scale	LEL (%V/V)	3rd Party Approved	Part Number
Standard Gases	Ethylene	100%LEL	2.3	Y	2108D3240
Special Gases	Benzene	100%LEL	1.2		2108D3227
	Buta-1,3-diene	100%LEL	1.4		2108D3229

Calibrated using EN61779 LEL Values

	Table Name	Full Scale	LEL (%V/V)	3rd Party Approved	Part Number
Standard Gases	Styrene	100%LEL	1.1		2108D3228