

Searchpoint Optima Plus Calibrations



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 Cyclohexanone	100%LEL	1.2		2108D3024
	Ethanol	100%LEL	1.3		2108D3026
	Ethyl acetate	100%LEL	3.3		2108D3028
	Heptane	100%LEL	2.1		2108D3030
	Hexane	100%LEL	1.1		2108D3032
	Methanol	100%LEL	1.2		2108D3034
	Toluene	100%LEL	5.5		2108D3040
	o-Xylene	100%LEL	1.2		2108D3042
	Diethyl ether	100%LEL	1		2108D3044
	p-Xylene	100%LEL	1.7		2108D3048
	Pentanes	100%LEL	1		2108D3054
	Dimethyl ether	100%LEL	1.4		2108D3056
	N,N-Dimethyl formamide (DMF)	100%LEL	3		2108D3059
	Propane	100%LEL	2.2		2108D3064
		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 Propan-2-ol	100%LEL	1	Y	2108D3035	
	o-Xylene	100%LEL	2	Y	2108D3037	
	Octane Isobutane	100%LEL	1	Y	2108D3045	
	Chloroethane 1,2-	100%LEL	0.8		2108D3062	
	Dichloroethane	100%LEL	1.3		2108D3070	
	Dimethyl ether	100%LEL	3.6		2108D3084	
	Propene	100%LEL	6.2		2108D3090	
			100%LEL	2.7	Y	2108D3098
			100%LEL	2	Y	2108D3174

Searchpoint Optima Plus Calibrations



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
	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
Special Gases	Diethyl ether p-	100%LEL	1.7		2108D3049
	Xylene Pentanes	100%LEL	1	Y	2108D3055
	i-Propyl Acetate	100%LEL	1.4		2108D3056
	Propan-1-ol	100%LEL	1.8		2108D3078
		100%LEL	2.2		2108D3085

Additional Ranges Offered

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	Table Name	Full Scale	LEL (%V/V)	3rd Party Approved	Part Number
Special Gases	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 1-Methoxy-2-Propanol 3-	50k ppm	NA		2108D3092
	Ethoxy-1-Propanol	100%LEL	1.8	Y	2108D3093
	Propane 10k	100%LEL	1.3		2108D3094
	Propane 5k	10k ppm	NA	Y	2108D3096
	Propane 400k	5kppm	NA	Y	2108D3097
	Propylene Glycol Methyl Ether Acetate (PGMEA)	400k ppm	NA		2108D3100
	Propane 600k	100%LEL	1.3		2108D3101
	Propane 20k	600k ppm	NA		2108D3102
	Butane 18k	20k ppm	NA		2108D3105
	Methyl amyl Ketone (MIAK) 1-Ethoxy-2-Propanol	18k ppm	NA		2108D3107
		100%LEL	1.3		2108D3108
	Band A	100%LEL	1.3	Y	2108D3111
	Band B	100%LEL	NA		2108D3150
	Band C	100%LEL	NA		2108D3151
	Band D	100%LEL	NA		2108D3152
	Propane 5k	100%LEL	NA		2108D3153
		5k ppm	NA	Y	2108D3175

Searchpoint Optima Plus Calibrations



Calibrations for Ethylene Searchpoint Optima Plus Instruments

Calibrated using EN50054 LEL Values

	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 Buta-1,3-diene	100%LEL	1.1		2108D3228
		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

DSA Suppliers

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W: <https://dsasuppliers.com>

E: sales@dsasuppliers.com

P: +441158390391

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