

Zero Grade Gases

Spectra's zero grade air and nitrogen are the products of choice when you require high quality, cost effective, non-regulatory zero gases. Every cylinder is supplied with an individual certificate of analysis to insure the quality that you require.

CEM Zero Grade Gases

Federal, state, and local air pollution control regulations require daily zero and span calibrations for CEMS (continuous emissions monitoring systems). A CEMS must be zeroed with a pure gas that is free of the pollutants being measured. Spectra's CEM zero grade air and nitrogen are analyzed for SO₂, NO_x, CO, CO₂, H₂O, and total hydrocarbons. With each individual cylinder being analyzed the quality of CEM zero grade gases is consistent from cylinder to cylinder insuring that the performance of the gas meets and/or exceeds the requirements of all applicable regulations.

VOC Zero Grade Gases

Spectra's VOC zero grade gases are the ideal choice for support gas, zero gas, or purging gas for all VOC/THC analysis. This includes EPA ambient methods (TO-14, TO-15, and TO-17) as well as vehicle emission zero gas and CEM THC zero gas.

SPECIFICATIONS

(all concentrations in ppm except where noted)

	NITROGEN				AIR		
	ZERO	CEM ZERO	VOC ZERO		ZERO	CEM ZERO	VOC ZERO
CO	2	0.5	<0.05	CO	1	0.5	<0.05
CO ₂	2	1	<0.5	CO ₂	1	1	<0.3
H ₂ O	1	4	<0.5	H ₂ O	5	5	<1.0
Nox		0.1		NO _x		0.1	
SO ₂		0.1		SO ₂		0.1	
THC (as CH ₄)	1	0.1	<0.05	THC (as CH ₄)	1	0.1	<0.05
O ₂	1	0.5	<0.5	O ₂	20-21%	20-21%	20-21%

