GAS FOR SPECIAL APPLICATION

VEHICLE EMISSION MONITORING

Sun Air offers a wide range of Vehicle Emission Standards produced and certified in accordance with the procedures and specifications published in EPA Technical report EPA-AA-TSS-83-88. Blend tolerance and analytical accuracy of these blends are normally at +/-2% for both and are traceable to NIST standard reference material.

VEHICLE EMISSION STANDARD

COMPONENTS	CYLINDER SIZE	CONTENT / CU.FT.	PRESSURE PSIG	CGA CONN.
3000 ppm Propane 8.0% Carbon Monoxide 11.0% Carbon Dioxide	AL 150	115	1650	350
Balance Nitrogen	AL 30	26	1650	350
600 ppm Propane 1.6% Carbon Monoxide 11.0% Carbon Dioxide	AL 150	115	1650	350
Balance Nitrogen	AL 30	26	1650	350
1600 ppm Propane 8.0% Carbon Monoxide 13.0% Carbon Dioxide	AL 150	115	1650	350
Balance Nitrogen	AL 30	26	1650	350
300 ppm Propane 1.0% Carbon Monoxide 6.0% Carbon Dioxide	AL 150	115	1650	350
Balance Nitrogen	AL 30	26	1650	350
1200 ppm Propane 4.0% Carbon Monoxide 12.0% Carbon Dioxide	AL 150	115	1650	350
Balance Nitrogen	AL 30	26	1650	350
90/1000/3000 ppm Nitric Oxide	AL 150	140	2000	660
Balance Nitrogen	AL 30	28	2000	660
450 ppm Carbon Monoxide	AL 150	140	2000	350
Balance Nitrogen	AL 30	28	2000	350
125 ppm Propane	AL 150	140	2000	350
Balance Air	AL 30	28	2000	350
40% Hydrogen Balance Helium	049	238 CF	2000	350
Balance Air	044	210 CF	2000	350

ZERO GASES FOR AMBIENT & VEHICLE EMISSION MONITORING

SPECIFICATION	CYLINDER SIZE	CONTENT / CU.FT.	PRESSURE PSIG	CGA CONN.
Ultra-Zero Ambient Monitoring Zero Air	AL 150	140	2000	590
THC < 0.05 ppm NOx < 0.005 ppm	AL 80	74	2000	590
CO < 0.05 ppm SO_2 < 0.005 ppm	AL 30	28	2000	590
H_2O < 5 ppm SF6 < 0.001 ppm				
CO_2 = 315-385 ppm O_2 = 20 to 21%				
Ultra-Zero Ambient Monitoring Zero Nitrogen	AL 150	140	2000	580
THC < 0.05 ppm NOx < 0.005 ppm	AL 80	74	2000	580
CO < 0.05 ppm SO_2 < 0.005 ppm	AL 30	28	2000	580
H_2O < 4 ppm SF6 < 0.001 ppm				
CO_2 < 1 ppm O_2 < 2 ppm				
Vehicle Emission Calibration Zero Air	049	304	2640	590
THC < 0.1 ppm NOx < 0.1 ppm	044	210	2000	590
CO < 0.5 ppm O_2 = 18-21%	016	80	2000	590
CO_2 < 1.0 ppm				
H_2O < 1.0 ppm				
Vehicle Emission Calibration Zero Nitrogen	049	304	2640	580
Purity > 99.997% NOx < 0.1 ppm	044	210	2000	580
THC < 0.1 ppm O_2 < 0.5 ppm	016	80	2000	580
CO < 0.5 ppm H_2O < 1.0 ppm				
CO_2 < 1.0 ppm				