

GAS FOR SPECIAL APPLICATION

GASES FOR CONTINUOUS EMISSION MONITORING (CEM)

Sun Air supplies full range of continuous Emission Monitor (C.E.M) Daily Calibration Gas Standards for use where daily calibration with EPA protocol standards are not required. C.E.M. standards are blended to the same standards as EPA Protocol Gas Standards. They are available as two component or multi-component gas standards. Normally, Blend Tolerance are of +/-5% and analytical accuracy of +/-2%.

COMPONENTS	CONCENTRATION RANGE	CYLINDER SIZE	VOLUME CU. FT./LITERS	CGA
Ammonia in Zero Air	10 ppm to 1000 ppm	AL150 AL30	144 / 4078 29 / 822	705
Ammonia in Nitrogen	10 ppm to 1000 ppm	AL150 AL30	140 / 3965 28 / 793	705
Carbon Dioxide in Zero Air	100 ppm to 18.2%	AL150 AL30	144 / 4078 29 / 822	590
Carbon Dioxide in Nitrogen	100 ppm to 18.2%	AL150 AL30	140 / 3965 28 / 793	580
Carbon Dioxide in Nitrogen	25 ppm to 6.25% 1	AL150 AL30	144 / 4078 29 / 822	590
Carbon Monoxide in Nitrogen	25 ppm to 6.25%	AL150 AL30	144 / 3965 29 / 793	350
Hydrogen Chloride in Nitrogen	25 ppm to 1000 ppm	049 ² 016 ² 008 ²	209 / 5819 75 / 2124 35 / 991	330
Hydrogen Sulfide in Zero Air	5 ppm to 200 ppm	AL150 AL30	144 / 4078 29 / 822	330
Hydrogen Sulfide in Nitrogen	5 ppm to 200 ppm	AL150 AL30	140 / 3965 28 / 793	330
EPA METHOD 11 Hydrogen Sulfide in Nitrogen	26 ppm to 300 ppm	AL150 AL30	144 / 3965 28 / 793	330
Methane in Ultra Zero Air	10 ppm to 1%	AL150 AL30	144 / 4078 29 / 822	590
Methane in Nitrogen	10 ppm to 1%	AL150 AL30	140 / 3965 28 / 793	350
Nitric Oxide in Nitrogen	10 ppm to 3900 ppm	AL150 AL30	140 / 3965 28 / 793	660
Oxygen in Nitrogen	0.5% to 27.3%	AL150 AL30	140 / 3965 28 / 793	580 (O ₂ ≤ 5%) 590 (5% < O ₂ ≤ 23%) 296 (O ₂ > 23%)
Propane in Ultra Zero Air	10 ppm to 1%	AL150 AL30	144 / 4078 29 / 822	290
Propane in Nitrogen	10 ppm to 1%	AL150 AL30	140 / 3965 28 / 793	350
Propane in Nitrogen	10 ppm to 3900 ppm	AL150 AL30	144 / 4078 29 / 822	660
Sulfur Dioxide in nitrogen	10 ppm to 3900 ppm	AL150 AL30	140 / 3895 28 / 793	660
Carbon Monoxide, Carbon Dioxide in Nitrogen	10 ppm to 6.25% (CO) 1% to 20% (CO ₂)	AL150 AL30	140 / 3965 28 / 793	350
Carbon Monoxide, Oxygen in Nitrogen	10 ppm to 6.25% (CO) 5000 ppm to 20% (O ₂)	AL150 AL30	140 / 3965 28 / 793	350
Sulfur Dioxide, Carbon Dioxide in Nitrogen	100 ppm to 3900 ppm (SO ₂) 1000 ppm to 18% (CO ₂)	AL150 AL30	140 / 3965 28 / 793	660
Sulfur Dioxide, Nitric Oxide in Nitrogen	50 ppm to 3900 ppm (SO ₂) 50 ppm to 3900 ppm (NO)	AL150 AL30	140 / 3965 28 / 793	660
Sulfur Dioxide, Oxygen in Nitrogen	100 ppm to 3900 ppm (SO ₂) 1000 ppm to 21% (O ₂)	AL150 AL30	140 / 3895 28 / 793	660
Sulfur Dioxide, Nitric Oxide, Carbon Dioxide in Nitrogen	50 ppm to 3000 ppm (SO ₂) 10 ppm to 3000 ppm (NO) 300 ppm to 14% (CO ₂)	AL150 AL30	140 / 3965 28 / 793	660
Sulfur Dioxide, Nitric Oxide, Carbon Monoxide in Nitrogen	50 ppm to 3000 ppm (SO ₂) 10 ppm to 3000 ppm (NO) 10 ppm to 1% (CO)	AL150 AL30	140 / 3965 28 / 793	660

Note: 1. Reduced pressure and volume may apply with CO > 1%

2. The Hydrogen Chloride in Nitrogen gas mixtures come in an internally polished and passivated steel cylinder.