

CALIBRATION GAS CROSS REFERENCE CHART



All Industrial Scientific calibration cylinders are manufactured to the highest quality standards and include NIST traceable blend techniques, analytical leak testing of every cylinder, certified component concentrations and clearly marked lot numbers and expiration dates.

Industrial Scientific Calibration Kits come equipped with everything necessary to keep your gas monitoring instruments operating accurately and reliably. Kits contain certified NIST-traceable (National Institute of Standards & Technology) span gases for safe, reliable instrument calibration. Complete kits are available for all installed sensors and include:

- Convenient Carrying Case
- Non-refillable Cylinders
- Flow Regulator

Calibration gas cylinders and kits are available in a variety of sizes and concentrations, including convenient multi-gas blends or single gas cylinders. Use the following chart to order complete kits or replacement cylinders. When ordering cylinders, the shaded areas indicate compatible regulators, while the • identifies which regulator is included in the associated kit. See "Notes" for supplementary information.



PART #	DESCRIPTION	0.5LPM Regulator 18100883	0.5LPM Regulator 18100933	Demand Flow Regulator 18102509	Demand Flow Regulator 18103564	Demand Flow Regulator w/ iGas Pressure Switch 18105841	Demand Flow Regulator w/ iGas Pressure Switch 18105866	VOL.	NOTES
18109191	CYL, 100 ppm CO, 25 ppm H ₂ S, 18% O ₂ , 25% LEL Pentane							34L	aluminum
18103937	CYL, 100 ppm CO, 25 ppm H ₂ S, 19% O ₂ , 25% LEL Pentane							34L	aluminum
18109155	CYL, 100 ppm CO, 25 ppm H ₂ S, 18% O ₂ , 25% LEL Pentane							58L	
18102187	CYL, 100 ppm CO, 25 ppm H ₂ S, 19% O ₂ , 25% LEL Pentane							58L	
18102189	KIT	•							
18103432	KIT								
18109157	CYL, 100 ppm CO, 25 ppm H ₂ S, 18% O ₂ , 25% LEL Pentane							116L	
18109077	CYL, 100 ppm CO, 25 ppm H ₂ S, 19% O ₂ , 25% LEL Pentane							116L	
18109137	KIT	•							
18109139	KIT								
18109181	CYL, 200 ppm CO, 25 ppm H ₂ S, 18% O ₂ , 25% LEL Pentane							58L	
18102343	CYL, 200 ppm CO, 25 ppm H ₂ S, 19% O ₂ , 25% LEL Pentane							58L	
18109164	CYL, 100 ppm CO, 10 ppm H ₂ S, 18% O ₂ , 2.5% Methane							116L	
18109156	CYL, 100 ppm CO, 25 ppm H ₂ S, 18% O ₂ , 2.5% Methane							58L	
18102242	CYL, 100 ppm CO, 25 ppm H ₂ S, 19% O ₂ , 2.5% Methane							58L	
18102275	KIT	•							
18109158	CYL, 100 ppm CO, 25 ppm H ₂ S, 18% O ₂ , 2.5% Methane							116L	
18109080	CYL, 100 ppm CO, 25 ppm H ₂ S, 19% O ₂ , 2.5% Methane							116L	
18109138	KIT	•							
18105262	CYL, 50 ppm CO, 25 ppm H ₂ S, 20.9% O ₂ , 50% LEL Methane							58L	
18109101	CYL, 50 ppm CO, 25 ppm H ₂ S, 20.9% O ₂ , 50% LEL Methane							116L	
18109183	CYL, 250 ppm CO, 25 ppm H ₂ S, 18% O ₂ , 50% LEL Methane							58L	
18108035	CYL, 250 ppm CO, 25 ppm H ₂ S, 19% O ₂ , 50% LEL Methane							58 L	
18105825	CYL, 200 ppm CO, 75 ppm H ₂ S, 15% O ₂ , 25% LEL Methane							11L	aerosol
18109192	CYL, 100 ppm CO, 25 ppm H ₂ S, 18% O ₂ , 50% LEL Methane							34L	aluminum
18105536	CYL, 100 ppm CO, 25 ppm H ₂ S, 19% O ₂ , 50% LEL Methane							34L	aluminum
18105635	CYL, 100 ppm CO, 50 ppm H ₂ S, 16% O ₂ , 50% LEL Methane	18103580						34L	Bump Gas - 2 yr.
18109185	CYL, 100 ppm CO, 25 ppm H ₂ S, CO ₂ , 18% O ₂ , 40% LEL Methane							58L	
18109177	CYL, 100 ppm CO, 25 ppm H ₂ S, 18% O ₂ , 50% LEL Propane							58L	
18109188	CYL, 100 ppm CO, 25 ppm H ₂ S, 18% O ₂ , 50% LEL Propane							116L	
18106179	CYL, 100 ppm CO, 25 ppm H ₂ S, 19% O ₂ , 50% LEL Propane							58L	
18109180	CYL, 25 ppm H ₂ S, 18% O ₂ , 25% LEL Pentane							58L	
18109180	CYL, 25 ppm H ₂ S, 18% O ₂ , 25% LEL Pentane							58L	w/CGA 330 fitting
18102186	CYL, 25 ppm H ₂ S, 19% O ₂ , 25% LEL Pentane							58L	
18102188	KIT	•							
18109083	CYL, 25 ppm H ₂ S, 19% O ₂ , 25% LEL Pentane							116L	
18102241	CYL, 25 ppm H ₂ S, 19% O ₂ , 2.5% Methane							58L	
18102274	KIT	•							

NOTE: Calibration gas cylinder expiration times vary due to gas type. Please contact Industrial Scientific for detailed information.

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		18100883	18100933	18102509	18103564	18105841		
18100719	CYL, 50 ppm Carbon Monoxide						34L	w/CGA 600 fitting
18100750	KIT		.					w/34L Zero Air
18102230	CYL, 50 ppm Carbon Monoxide						103L	
18102665	CYL, 100 ppm Carbon Monoxide (bump gas)						11L	aerosol
18100701	CYL, 100 ppm Carbon Monoxide						34L	w/CGA 600 fitting
18100743	KIT		.					w/34L Zero Air
18102163	CYL, 100 ppm Carbon Monoxide						103L	
18102162	KIT		.					
18102301	CYL, 125 ppm Carbon Monoxide						103L	
18101352	CYL, 200 ppm Carbon Monoxide						34L	w/CGA 600 fitting
18102302	CYL, 250 ppm Carbon Monoxide						103L	
18101063	CYL, 300 ppm Carbon Monoxide						34L	w/CGA 600 fitting
18102303	CYL, 500 ppm Carbon Monoxide						103L	
18102806	CYL, 2 ppm Chlorine						58L	
18103697	CYL, 5 ppm Chlorine						58L	
18105007	CYL, 10 ppm Chlorine						34L	aluminum
18101758	CYL, 10 ppm Chlorine						58L	
18101741	KIT, 10 ppm Chlorine		.				58L	
18103127	CYL, 25% LEL Hexane						103L	
18102249	CYL, 40% LEL Hexane						34L	w/CGA 600 fitting
18107987	CYL, 500 ppm Hexane						103L	
18100453	CYL, 25% LEL Hydrogen						34L	w/CGA 600 fitting
18100461	CYL, 50% LEL Hydrogen						34L	w/CGA 600 fitting
18103481	CYL, 50% LEL Hydrogen						103L	
18102905	CYL, 50 ppm Hydrogen						34L	w/CGA 600 fitting
18103945	CYL, 100 ppm Hydrogen						34L	w/CGA 600 fitting
18102996	CYL, 500 ppm Hydrogen						103L	
18103010	CYL, 1,000 ppm Hydrogen						103L	
18102154	CYL, 10 ppm Hydrogen Chloride						58L	
18102148	KIT		.					
18102152	CYL, 10 ppm Hydrogen Cyanide						58L	
18102149	KIT		.					
18102970	CYL, 10 ppm Hydrogen Sulfide						58L	
18104984	CYL, 25 ppm Hydrogen Sulfide						34L	aluminum
18100859	CYL, 25 ppm Hydrogen Sulfide						58L	
18100842	KIT		.					
18109078	CYL, 25 ppm Hydrogen Sulfide						116L	
18109135	KIT		.					
18102988	CYL, 40 ppm Hydrogen Sulfide						58L	
18109096	CYL, 40 ppm Hydrogen Sulfide						116L	
18102245	CYL, 50 ppm Hydrogen Sulfide						58L	
18109090	CYL, 50 ppm Hydrogen Sulfide						116L	
18102304	CYL, 125 ppm Hydrogen Sulfide						58L	
18105809	CYL, 10 ppm Isobutylene						103L	
18107292	CYL, 100 ppm Isobutylene						34L	aluminum
18106591	CYL, 100 ppm Isobutylene						34L	w/CGA 600 fitting
18102939	CYL, 100 ppm Isobutylene						103L	
18104554	CYL, 500 ppm Isobutylene						103L	
18100206	CYL, 1% Methane						34L	w/CGA 600 fitting
18108001	CYL, 2.0% Methane						103L	
18107284	CYL, 2.0% Methane						34L	
18100214	CYL, 2.5% Methane						34L	
18101303	KIT		.					
18101378	CYL, 2.5% Methane						103L	
18102312	CYL, 99% Methane						34L	w/CGA 600 fitting
18102491	KIT				.			
18104778	CYL, 99% Methane						34L	aluminum
18105114	CYL, 10% LEL Methane						34L	w/CGA 600 fitting
18105098	CYL, 500 ppm Methane						34L	w/CGA 600 fitting
18105106	CYL, 1,000 ppm Methane						34L	w/CGA 600 fitting
18102244	CYL, 100% Nitrogen						103L	
18102248	CYL, 100% Nitrogen						34L	w/CGA 600 fitting
18104976	CYL, 5 ppm Nitrogen Dioxide						34L	
18102219	CYL, 5 ppm Nitrogen Dioxide						34L	aluminum
18102238	KIT		.				58L	
18106252	CYL, 10 ppm Nitrogen Dioxide						58L	

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		18102509	18103564	18105841	18105866	18105841		
18105452	CYL, 25 ppm Nitrogen Dioxide						34L	aluminum
18101477	CYL, 25 ppm Nitrogen Dioxide						58L	
18101469	KIT	.						
18102153	CYL, 25 ppm Nitric Oxide						58L	
18102150	KIT	.						
18109189	CYL, 18% Oxygen						34L	w/CGA 600 fitting
18100289	CYL, 19% Oxygen						34L	w/CGA 600 fitting
18100271	CYL, 20.9% Oxygen						34L	w/CGA 600 fitting
18102234	CYL, 12% LEL Pentane						103L	
18101162	CYL, 25% LEL Pentane						34L	w/CGA 600 fitting
18101261	KIT	.						2 cylinders
18104398	CYL, 1.0 ppm Phosphine						34L	aluminum
18104059	CYL, 1.0 ppm Phosphine						58L	
18107797	Cyl., 5 PPM Phosphine						58L	
18107805	Cyl., 5 PPM Phosphine						34L	
18100164	CYL, 25% LEL Propane						34L	w/CGA 600 fitting
18103762	CYL, 25% LEL Propane						103L	
18100172	CYL, 50% LEL Propane						34L	w/CGA 600 fitting
18104992	CYL, 5 ppm Sulfur Dioxide						34L	aluminum
18102222	CYL, 5 ppm Sulfur Dioxide						58L	
18102239	KIT	.						
18101220	CYL, 10 ppm Sulfur Dioxide						58L	
18101212	KIT	.					58L	
18105726	CYL, 100 ppm Toluene						34L	w/CGA 600 fitting
18100693	CYL, Zero Grade Air (20.9% Oxygen)						34L	w/CGA 600 fitting
18101584	CYL, Zero Grade Air (20.9% Oxygen)						103L	

PART NO.	DESCRIPTION	0.5LPM Regulator 18102260	0.5LPM Regulator 18103374	Demand Flow Regulator		Demand Flow Regulator w/Gas Pressure Switch			VOL.	NOTES
		18103549	18103556	18105833	18105858	18106740				
18109193	CYL, 250 ppm CO, 25 ppm H ₂ S, 18% O ₂ , 50% LEL Methane								650L	w/CGA 330 fitting
18108019	CYL, 250 ppm CO, 25 ppm H ₂ S, 19% O ₂ , 50% LEL Methane								650L	w/CGA 330 fitting
18109159	CYL, 100 ppm CO, 25 ppm H ₂ S, 18% O ₂ , 25% LEL Pentane								650L	w/CGA 330 fitting
18103366	CYL, 100 ppm CO, 25 ppm H ₂ S, 19% O ₂ , 25% LEL Pentane								650L	w/CGA 330 fitting
18108050	CYL, 100 ppm CO, 25 ppm H ₂ S, 19% O ₂ , 2% Methane								650L	w/CGA 330 fitting
18109160	CYL, 100 ppm CO, 25 ppm H ₂ S, 18% O ₂ , 2.5% Methane								650L	w/CGA 330 fitting
18104091	CYL, 100 ppm CO, 25 ppm H ₂ S, 19% O ₂ , 2.5% Methane								650L	w/CGA 330 fitting
18107219	CYL, 100 ppm CO, 25 ppm H ₂ S, 19% O ₂ , 25% LEL Propane								650L	w/CGA 330 fitting
18107227	CYL, 25 ppm H ₂ S, 19% O ₂ , 25% LEL Pentane								650L	w/CGA 330 fitting
18109161	CYL, 100 ppm CO, 18% O ₂ , 25% LEL Pentane								552L	w/CGA 590 fitting
18102258	CYL, 100 ppm CO, 19% O ₂ , 25% LEL Pentane								552L	w/CGA 590 fitting
18109187	CYL, 100 ppm CO, 18% O ₂ , 2.5% Methane								552L	w/CGA 590 fitting
18102259	CYL, 100 ppm CO, 19% O ₂ , 2.5% Methane								552L	w/CGA 590 fitting
18104265	CYL, 250 ppm CO, 19% O ₂ , 2.5% Methane								552L	w/CGA 590 fitting
18109186	CYL, 100 ppm CO, 2.5% CO ₂ , 18% O ₂ , 25% LEL Pentane								552L	w/CGA 590 fitting
18103671	CYL, 100 ppm CO, 2.5% CO ₂ , 19% O ₂ , 25% LEL Pentane								552L	w/CGA 590 fitting
18106963	CYL, 10 ppm Hydrogen Chloride								650L	w/CGA 330 fitting
18106633	CYL, 25 ppm Hydrogen Sulfide								650L	w/CGA 330 fitting
18103101	CYL, 100 ppm Carbon Monoxide								552L	w/CGA 590 fitting
18104125	CYL, 250 ppm Carbon Monoxide								552L	w/CGA 590 fitting
18106955	CYL, 10 ppm Chlorine								650L	w/CGA 330 fitting
18102320	CYL, Zero Grade Air (20.9% Oxygen)								552L	w/CGA 590 fitting
18107375	CYL, 100 ppm Isobutylene								552L	w/CGA 590 fitting
18106658	CYL, 25 ppm Ammonia								650L	w/CGA 660 fitting
18107722	CYL, 25 ppm Nitric Oxide								650L	w/CGA 660 fitting
18107730	CYL, 25 ppm Nitrogen Dioxide								650L	w/CGA 660 fitting
18105817	CYL, 10 ppm Sulfur Dioxide								650L	w/CGA 660 fitting
18109172	CYL, 100 ppm CO, 5 ppm NO ₂ , 18% O ₂ , 2.5% Methane								650L	w/CGA 660 fitting
18108308	CYL, 100 ppm CO, 5 ppm NO ₂ , 19% O ₂ , 2.5% Methane								650L	w/CGA 660 fitting