



The assurance of safe breathing air and a safe work environment is paramount to any workplace. Matheson Tri-Gas offers a complete line of calibration products designed to accurately calibrate the gas detection instruments used to monitor workspaces and ensure worker protection. The Matheson Portables™ line of calibration gases and equipment will help you comply with all OSHA regulations.

### How to Find the Safety Calibration Products you need.

Our calibration gas offering is segmented as follows:

- Pure Gases
- Two Component Mixtures
- Multicomponent Mixtures

*If you don't see your product listed, please call Matheson Tri-Gas for more information!*



### Pure Gases

Product Description	Base Code	MicroMAT™/MiniMAT™ Cylinders							
		10	14	17	58	105	116	221	6R
Air Zero Gas	GMT10004	TK		TB		TG		TD	6R
Argon, Ultra High Purity	GMT10006	TK		TB		TG		TD	6R
Helium, Ultra High Purity	GMT10009	TK		TB		TG		TD	6R
Hydrogen, Ultra High Purity	GMT10013		TC	TB					6R
Methane, CP	GMT10015		TC	TB					6R
Nitrogen, Zero Gas	GMT10022	TK		TB		TG		TD	6R

### NEW Portable Cylinder Size:

**116 liter aluminum cylinder for reactive gas blends;**

*Designed for high volume users of hydrogen sulfide four gas mixtures, featured on page 176.*

*Please call Matheson Tri-Gas for more information.*

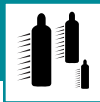
### Ordering Information

When ordering, use base code plus cylinder designation suffix for the appropriate cylinder type.

Ex: GMT10002TH is for Air Ultra Zero Certified in a MicroMAT™-58 Cylinder

*Note: See Cylinder Specifications Chart on page 152 for description of cylinders.*





# Matheson Portables™

## Calibration Products for Safety

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### Two Component Mixtures

Product Description	Base Code	MicroMAT™/MiniMAT™ Cylinders							
		10	14	17	58	105	116	221	6R
<b>Ammonia</b>									
25 ppm Ammonia in Nitrogen	GMT10519				TH		TM		6R
50 ppm Ammonia in Nitrogen	GMT10220				TH		TM		6R
200 ppm Ammonia in Nitrogen	GMT10520				TH		TM		6R
<b>Carbon Dioxide</b>									
100 ppm Carbon Dioxide in Air	GMT10521	TK	TC	TB	TH	TG		TD	6R
1000 ppm Carbon Dioxide in Air	GMT10025	TK	TC	TB	TH	TG		TD	6R
5 % Carbon Dioxide in Air	GMT10522	TK	TC	TB	TH	TG		TD	6R
1000 ppm Carbon Dioxide in Nitrogen	GMT10313	TK	TC	TB	TH	TG		TD	6R
2.5 % Carbon Dioxide in Nitrogen	GMT10523	TK	TC	TB	TH	TG		TD	6R
5 % Carbon Dioxide in Nitrogen	GMT10524	TK	TC	TB	TH	TG		TD	6R
10 % Carbon Dioxide in Nitrogen	GMT10525	TK	TC	TB	TH	TG		TD	6R
<b>Carbon Monoxide</b>									
20 ppm Carbon Monoxide in Air	GMT10526	TK		TB	TH	TG		TD	6R
25 ppm Carbon Monoxide in Air	GMT10527	TK		TB	TH	TG		TD	6R
40 ppm Carbon Monoxide in Air	GMT10528	TK		TB	TH	TG		TD	6R
50 ppm Carbon Monoxide in Air	GMT10028	TK		TB	TH	TG		TD	6R
60 ppm Carbon Monoxide in Air	GMT10529	TK		TB	TH	TG		TD	6R
100 ppm Carbon Monoxide in Air	GMT10029	TK		TB	TH	TG		TD	6R
200 ppm Carbon Monoxide in Air	GMT10030	TK		TB	TH	TG		TD	6R
300 ppm Carbon Monoxide in Air	GMT10530	TK		TB	TH	TG		TD	6R
50 ppm Carbon Monoxide in Nitrogen	GMT10531	TK		TB	TH	TG		TD	6R
1000 ppm Carbon Monoxide in Nitrogen	GMT10532	TK		TB	TH	TG		TD	6R
<b>Chlorine</b>									
3 ppm Chlorine in Nitrogen	GMT10533				TH				
5 ppm Chlorine in Nitrogen	GMT10201				TH				
10 ppm Chlorine in Nitrogen	GMT10202				TH				
50 ppm Chlorine in Nitrogen	GMT10534				TH				
<b>Ethylene Oxide</b>									
10 ppm Ethylene Oxide in Nitrogen	GMT10535				TH		TM		6R
<b>Halocarbon 12</b>									
1000 ppm Halocarbon 12 in Nitrogen	GMT10536	TK	TC	TB	TH	TG		TD	6R
<b>Hexane</b>									
300 ppm Hexane in Helium	GMT10537	TK		TB	TH	TG		TD	6R
15 % LEL (1800 ppm) Hexane in Air	GMT10538	TK		TB	TH	TG		TD	6R
40 % LEL (4800 ppm) Hexane in Air	GMT10539	TK		TB	TH	TG		TD	6R
<b>Hydrogen</b>									
200 ppm Hydrogen in Air	GMT10540	TK		TB	TH	TG		TD	6R
800 ppm Hydrogen in Air	GMT10541	TK		TB	TH	TG		TD	6R
50 % LEL (2.0%) Hydrogen in Air	GMT10033	TK		TB	TH	TG		TD	6R
<b>Hydrogen Chloride</b>									
5 ppm Hydrogen Chloride in Nitrogen	GMT10542				TH				
10 ppm Hydrogen Chloride in Nitrogen	GMT10543				TH				
50 ppm Hydrogen Chloride in Nitrogen	GMT10544				TH				

Matheson Portables™

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Note: See Cylinder Specifications Chart on page 152 for description of cylinders.

*Don't see a product or cylinder size you need, call us to quote!*



## Two Component Mixtures *(continued)*

Product Description	Base Code	MicroMAT™/MiniMAT™ Cylinders							
		10	14	17	58	105	116	221	6R
<b>Hydrogen Cyanide</b>									
5 ppm Hydrogen Cyanide in Nitrogen	GMT10545				TH				
10 ppm Hydrogen Cyanide in Nitrogen	GMT10546				TH				
<b>Hydrogen Sulfide</b>									
25 ppm Hydrogen Sulfide in Air	GMT10222				TH		TM		6R
40 ppm Hydrogen Sulfide in Air	GMT10547				TH		TM		6R
50 ppm Hydrogen Sulfide in Air	GMT10223				TH		TM		6R
100 ppm Hydrogen Sulfide in Air	GMT10548				TH		TM		6R
10 ppm Hydrogen Sulfide in Nitrogen	GMT10207				TH		TM		6R
25 ppm Hydrogen Sulfide in Nitrogen	GMT10209				TH		TM		6R
40 ppm Hydrogen Sulfide in Nitrogen	GMT10583				TH		TM		6R
100 ppm Hydrogen Sulfide in Nitrogen	GMT10211				TH		TM		6R
<b>Isobutylene</b>									
50 ppm Isobutylene in Air	GMT10549	TK	TC	TB	TH	TG		TD	6R
100 ppm Isobutylene in Air	GMT10047	TK	TC	TB	TH	TG		TD	6R
<b>Methane</b>									
10 ppm Methane in Air	GMT10034	TK	TC	TB	TH	TG		TD	6R
100 ppm Methane in Air	GMT10035	TK	TC	TB	TH	TG		TD	6R
20 % LEL (1.0%) Methane in Air	GMT10038	TK	TC	TB	TH	TG		TD	6R
30 % LEL (1.5%) Methane in Air	GMT10550	TK	TC	TB	TH	TG		TD	6R
50 % LEL (2.5%) Methane in Air	GMT10039	TK	TC	TB	TH	TG		TD	6R
1 % Methane in Nitrogen	GMT10338	TK	TC	TB	TH	TG		TD	6R
5 % Methane in Nitrogen	GMT10551	TK	TC	TB	TH	TG		TD	6R
<b>Nitric Oxide</b>									
10 ppm Nitric Oxide in Nitrogen	GMT10212				TH		TM	6R	
25 ppm Nitric Oxide in Nitrogen	GMT10214				TH		TM	6R	
50 ppm Nitric Oxide in Nitrogen	GMT10215				TH		TM	6R	
<b>Nitrogen Dioxide</b>									
5 ppm Nitrogen Dioxide in Air	GMT10552				TH		TM	6R	
10 ppm Nitrogen Dioxide in Air	GMT10554				TH		TM	6R	
20 ppm Nitrogen Dioxide in Air	GMT10556				TH		TM	6R	
5 ppm Nitrogen Dioxide in Nitrogen	GMT10553				TH		TM	6R	
10 ppm Nitrogen Dioxide in Nitrogen	GMT10555				TH		TM	6R	
20 ppm Nitrogen Dioxide in Nitrogen	GMT10557				TH		TM	6R	
<b>Oxygen</b>									
20.9 % Oxygen in Nitrogen	GMT10584	TK	TC	TB	TH	TG		TD	6R
<b>Pentane</b>									
25 % LEL (0.35%) Pentane in Air	GMT10558	TK	TC	TB	TH	TG		TD	6R
50 % LEL (0.70%) Pentane in Air	GMT10559	TK	TC	TB	TH	TG		TD	6R
<b>Propane</b>									
10 ppm Propane in Air	GMT10560	TK	TC	TB	TH	TG		TD	6R
30 % LEL (0.63%) Propane in Air	GMT10561	TK	TC	TB	TH	TG		TD	6R
50 % LEL (1.05%) Propane in Air	GMT10562	TK	TC	TB	TH	TG		TD	6R

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Note: See Cylinder Specifications Chart on page 152 for description of cylinders.

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**Two Component Mixtures** *(continued)*

Product Description	Base Code	MicroMAT™/MiniMAT™ Cylinders							
		10	14	17	58	105	116	221	6R
<b>Sulfur Dioxide</b>									
25 ppm Sulfur Dioxide in Air	GMT10228				TH		TM		6R
50 ppm Sulfur Dioxide in Air	GMT10229				TH		TM		6R
10 ppm Sulfur Dioxide in Nitrogen	GMT10563				TH		TM		6R
25 ppm Sulfur Dioxide in Nitrogen	GMT10564				TH		TM		6R
50 ppm Sulfur Dioxide in Nitrogen	GMT10565				TH		TM		6R
100 ppm Sulfur Dioxide in Nitrogen	GMT10566				TH		TM		6R

**Multicomponent Mixtures**

Product Description	Base Code	MicroMAT™/MiniMAT™ Cylinders							
		10	14	17	58	105	116	221	6R
<b>Carbon Monoxide, Methane in Air</b>									
50 ppm Carbon Monoxide									
50 % LEL (2.5%) Methane	GMT10567	TK		TB	TH	TG		TD	6R
250 ppm Carbon Monoxide									
50 % LEL (2.5%) Methane	GMT10568	TK		TB	TH	TG		TD	6R
<b>Carbon Monoxide, Pentane in Air</b>									
50 ppm Carbon Monoxide									
30 % LEL (0.42%) Pentane	GMT10569	TK		TB	TH	TG		TD	6R
<b>Carbon Monoxide, Propane in Air</b>									
50 ppm Carbon Monoxide									
50 % LEL (1%) Propane	GMT10570	TK		TB	TH	TG		TD	6R
<b>Carbon Monoxide, Methane, Oxygen in Nitrogen</b>									
100 ppm Carbon Monoxide									
50 % LEL (2.5%) Methan									
19 % Oxygen	GMT10571	TK		TB	TH	TG		TD	6R
<b>Carbon Monoxide, Pentane, Oxygen in Nitrogen</b>									
50 ppm Carbon Monoxide									
25 % LEL (0.35%) Pentan									
20.9 % Oxygen	GMT10572	TK		TB	TH	TG		TD	6R
100 ppm Carbon Monoxide									
25 % LEL (0.35%) Pentane									
19 % Oxygen	GMT10573	TK		TB		TG		TD	6R
<b>Carbon Monoxide, Methane, Hydrogen Sulfide in Air</b>									
50 ppm Carbon Monoxide									
50 % LEL (2.5%) Methane									
25 ppm Hydrogen Sulfide	GMT10574				TH		TM		6R

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Note: See Cylinder Specifications Chart on page 152 for description of cylinders.





**Multicomponent Mixtures** (continued)

Product Description	Base Code	MicroMAT™/MiniMAT™ Cylinders							
		10	14	17	58	105	116	221	6R
<b>Carbon Monoxide, Pentane, Hydrogen Sulfide in Air</b> 50 ppm Carbon Monoxide 30 % LEL (0.42%) Pentane 25 ppm Hydrogen Sulfide	<b>GMT10575</b>				TH		TM		6R
<b>Carbon Monoxide, Methane, Hydrogen Sulfide, Oxygen in Nitrogen</b> 50 ppm Carbon Monoxide 25 % LEL (1.25%) Methane 25 ppm Hydrogen Sulfide 18 % Oxygen	<b>GMT10576</b>				TH		TM		6R
100 ppm Carbon Monoxide 50 % LEL (2.5%) Methane 25 ppm Hydrogen Sulfide 20.8 % Oxygen	<b>GMT10577</b>				TH		TM		6R
250 ppm Carbon Monoxide 50 % LEL (2.5%) Methane 40 ppm Hydrogen Sulfide 21 % Oxygen	<b>GMT10578</b>				TH		TM		6R
300 ppm Carbon Monoxide 25 % LEL (1.25%) Methane 10 ppm Hydrogen Sulfide 15 % Oxygen	<b>GMT10579</b>				TH		TM		6R
<b>Carbon Monoxide, Pentane, Hydrogen Sulfide, Oxygen in Nitrogen</b> 100 ppm Carbon Monoxide 25 % LEL (0.35%) Pentane 25 ppm Hydrogen Sulfide 19 % Oxygen	<b>GMT10580</b>				TH		TM		6R
<b>Methane, Oxygen in Nitrogen</b> 50 ppm Methane 17 % Oxygen	<b>GMT10581</b>	TK	TC	TB	TH	TG		TD	6R
<b>Pentane, Oxygen in Nitrogen</b> 25 % LEL (0.35%) Pentane 19 % Oxygen	<b>GMT10582</b>	TK	TC	TB	TH	TG		TD	6R

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