### 3M™ Multi-Gas Detector 950 Series

### **Versatile Safety**

The 3M<sup>™</sup> Multi-Gas Detector 950 Series helps take the worry out of workplace monitoring by providing fast, reliable information on the selected target gases. The 3M 950 detector can detect up to five gases simultaneously, and can be used with the powerful 3M Know Your Air software - the software can be used to customize the detector setting to your specific application, download, analysis, and generate reports for up to 5 months of stored data.

### **Speed and Convenience**

The 3M 950 detector allows the user to instantly install any 5 of the 18 available sensors, reducing the need for purchasing and maintaining more gas detectors. With the ability to accept any of 18 3M Smart sensors in just seconds, it can help save time and money, and increases your ability to adapt to changing conditions fast.

### **Portable and Tough**

The 3M 950 detector is ideal for industrial work sites or confined spaces where monitoring air quality is the first priority.

- Measures over 100 different gases (with the inclusion of the PID Smart Sensor)
- Available with built-in pump for remote air sampling
- Sensors may be "plugged" into any sensor port or socket
- Large LCD readout for 5 sensors
- LCD includes "Information Section"
- ABS plastic case with a "rubber" over-mold that helps absorb everyday impacts and protects internal components from contaminants











PH<sub>3</sub>



 $NH_3$ 

#### 3M™ Multi-Gas Detector 950 Series

# Power/Select Yes Button \_\_\_\_\_\_ 1

Used for turning the 3M 950 Detector ON and OFF, accessing download menu, silencing alarms, warnings and responding "YES" to questions.

### Calibrate/No/Up Arrow Button -

Used for starting calibration and "down" arrow when changing settings.

#### Peaks/Down Arrow Button -

Used for accessing Peak menu and "down" arrow when changing settings.

#### Power Jack -

Uses universial 110 V AC power supply or 12 Volt Vehicle Wiring Kit.

#### LCD Readout -

Large easy to read digital display.

### IR Window -

Quickly transfers data logging information.

#### 103 dBA Buzzer-

Loud audible warning.

#### **Dual Color LEDs** ———

Brilliant red or amber light for visual warnings.

### **Pump Sampling Inlet**

Used for collecting air sample.

#### Belt Fastener and Loop -

Holds secure to clothing when worn on job sites. D-ring is used to lower unit into confined spaces.









CH<sub>3</sub>SH



10

SO<sub>2</sub>

MOS

PID

### 3M™ Multi-Gas Detector 950 Series

Standard Features and Accessories

SPECIFICATIONS	
Display	Large LCD with designated line for each sensor reading
Battery	3M rechargeable Alkaline (AA batteries) or 3M rechargeable Nickel Metal Hydride (NiMH)
Operating Time	Alkaline: 24 hours (diffusion), 16 hours (with pump), NiMH: 16 hours (diffusion), 12 hours (with pump)
Alarms/Indicators	LED; Audible: 103 dB @ 1 ft.
Sensors	Electrochemical, Catalytic Bead, Metal Oxide Semiconductor, PID
Operating Temperature	-4 °F to 122 °F (-20 °C to 50 °C) – may vary depending on sensor
Operating Humidity	15% to 90% non-condensing
Hazardous Area Rating	Intrinsically safe - Class 1, Division 1, Groups A, B, C and D; T3; CSA Approved
Dimensions	5.94" x 5.2" x 2.8" (15.09 cm x 13.21 cm x 7.11 cm)
Weight	21 oz (550 g) without pump; 22.9 oz (650 g) with pump
Radio Frequency Protection	$<\!\!10\%$ deviation of alarm level when subjected to 450 mHz, 5 watt radio at 2 feet
Warranty	2 years on hardware and CO, OX, EX and HS sensors; 1 year on all other sensors

# Accessories Included with Purchase

- Comprehensive printed and CD manual
- Heavy-duty belt clip
- Dual cal/pump hood
- 16 feet (4.88 meters) tubing (with pump models)
- Charger adapter (with NiMH models)
- Know Your Air PC software
- Replacement pump filters (with pump models)

Other options available.

### **Gas Sensor Options**

Sensor	Туре	Factory Set Alarm Point	Measuring Range	Resolution*	STEL Factory Set Alarm Point	TWA Factory Set Alarm Point
Ammonia	Electrochemical	25 ppm	0-100 ppm	1 ppm	35 ppm	25 ppm
Ammonia High Level	Electrochemical	25 ppm	0-999 ppm	1 ppm	35 ppm	25 ppm
Carbon Monoxide	Electrochemical	35 ppm	0-500 ppm	1 ppm	200 ppm	35 ppm
Carbon Monoxide High Level	Electrochemical	35 ppm	0-999 ppm	1 ppm	200 ppm	35 ppm
Chlorine	Electrochemical	0.5 ppm	0-50 ppm	0.1 ppm	1 ppm	0.5 ppm
Chlorine Dioxide	Electrochemical	0.1 ppm	0-1 ppm	0.01 ppm	0.1 ppm	0.3 ppm
Combustible	Catalytic Bead	10% LEL	0-100% LEL	1% LEL	N/A	N/A
Hydrogen	Electrochemical	100 ppm	0-1,000 ppm	10 ppm	999 ppm	999 ppm
Hydrogen Sulfide	Electrochemical	10 ppm	0-100 ppm	1 ppm	15 ppm	10 ppm
Mercaptan	Electrochemical	0.5 ppm	0-14 ppm	0.1 ppm	10 ppm	0.5 ppm
MOS	Metal Oxide Semiconductor	N/A	0-500 units	1 unit	N/A	N/A
Nitrogen Dioxide	Electrochemical	1 ppm	0-20 ppm	0.1 ppm	5 ppm	3 ppm
Nitric Oxide	Electrochemical	25 ppm	0-250 ppm	1 ppm	35 ppm	25 ppm
Oxygen	Electrochemical	19.5%; 23%	0-25%	0.1%	N/A	N/A
Phosphine	Electrochemical	0.3 ppm	0-1 ppm	0.01 ppm	1 ppm	0.3 ppm
PID 10.6 eV (VOC's)	Photoionization	500 ppm	0-1,999 ppm	0.1 ppm	N/A	N/A
Sulfur Dioxide	Electrochemical	2 ppm	0-90 ppm	0.1 ppm	5 ppm	2 ppm

Alarm set points can be custom set via Know Your Air  $^{\text{TM}}$  software. Hydrogen Cyanide Smart Sensor will be available early 2008.

### PID Smart Sensor for The 3M™ Multi-Gas Detector 950 Series

The PID Smart Sensor's usability gives you the power to make quick, accurate decisions on over 90 specific gases – without wasting time and resources.



### **Increased Flexibility**

As a multi-functioning detector, your 3M 950 detector can stay in the field should PID Smart Sensor require adjustments or servicing.

### **Easy Conversion**

Any of the 3M 950 detector's five sensor slots may be used by simple insertion and removal of the 3M PID Smart Sensor.

#### **Refined Tolerance**

Advanced technology delivers increased tolerance to humidity, which minimizes the "quenching" effect common with most PID's.

### **Simple-to-Use Correction Factors**

More than 90 correction factors are built into a user-friendly library database accessible via the Know Your  $Air^{TM}$  PC Software or the 3M 950 detector.

#### **Available Accessories**

100 ppm Iso-butylene calibration gas kit, lamp cleaning kit, and replacement lamp.



# **PID Smart Sensor Gas List**

1,2-DICHLOROBENZENE 1,3-5-TRIMETHYLBENZENE 1,3-5-TRIMETHYLBENZENE 1-BUTANOL 1-METHOXY-2-PROPANOL 1-PROPANOL METHYLACETATE  METHYLACETATE  METHYLACETATE  METHYLACETATE	ETHYLBENZENE	1,4-DIOXANE	1,2,3-TRIMETHYLBENZENE
1-PROPANOL METHYLACETATE METHYLACETATE METHYLACETATE  METHYLACETOACETATE METHYLEDRZOATE METHYLMETHACRYLATE  2-METHOXYETHANOL 2-PENTANONE 2-PICOLINE  n.nDIMETHYLFORAMIDE n.nDIMETHYLACETAMIDE 3-PICOLINE  4-HYDROXY-4-METHYL-2-PENTANONE ACETALDEHYDE ACETONE  ACETONE ALLYLALCOHOL AMYLACETATE  BENZENE BROMOMETHANE BUTADIENE  BUTOXYETHANOL BUTYLACETATE TETRACHLOROETHYLENE  DICHLOROETHANE TRICHLOROETHYLENE ETHYLACETOACETATE  CHOROBENZENE CUMENE CYCLOHEXANE  CYCLOHEXANONE DECANE DIMETHYLFORMAMIDE EPICHLOROHYDRIN  ETHANOL ETHYLENEGLYCOL ETHYLACETATE  ETHYLACETATE  ETHYLENE ETHYLENEGLYCOL ETHYLACETATE  ISSPROPYL AMINE ISSOPROPYL ETHER ISSOMITANOL  ISSOPROPYL AMINE ISSOPROPYL ETHER ISSOMITANOL  ISSOPROPYL ETHER ISSOPHORNOL  JP-8 FUEL MESTIYLOXIDE METHYLBENIAL JP-5 FUEL  METHYLETHYLETHYLETONE(MEK) METHYL ISSOBUTYL KETONE MONOMETHYLAMINE  OTHO-XYLENE PHENOL  PHOSPHINE  METHYLETHYLETHYLETONE(MEK) METHYL ISSOBUTYL KETONE MONOMETHYLAMINE  OTHO-XYLENE PHENOL  PROPPLENE PROPYLENE PROPYLENE STREAM MONOMETHYLAMINE  METHYLETHYLETHYLETONE(MEK) METHYL ISSOBUTYL KETONE MONOMETHYLAMINE  METHYLETHYLETHYLETONE(MEK) METHYL ISSOBUTYL KETONE MONOMETHYLAMINE  OTHO-XYLENE PHENOL  PHOSPHINE  PROPYLENE PROPYLENE OXIDE  FERTIARYBUTYLETHER TISSICHLOROETHENE TERT-BUTYL MERCAPTAN  TERTIARYBUTYLAMINE TRISDICHLOROETHENE TERT-BUTYL MERCAPTAN  TERTIARYBUTYLAMINE TISSICHLOROETHENE TERT-BUTYL MERCAPTAN  TERTIARYBUTYLAMINE TURPENTINE—CRUDE SULFATE  VINYL ACETATE  VINY	1,2,4-TRIMETHYLBENZENE	1,2-DIBROMOETHANE	1,2-DICHLOROBENZENE
METHYLACETOACETATE METHYLBENZOATE METHYLMETHACRYLATE  2-METHOXYETHANOL 2-PENTANONE 2-PICOLINE  n,n - DIMETHYLFORAMIDE n,n - DIMETHYLACETAMIDE 3-PICOLINE  4-HYDROXY-4-METHYL-2-PENTANONE ACETALDEHYDE ACETONE  ACETOPHENONE ALLYLALCOHOL AMYL ACETATE  BENZENE BROMOMETHANE BUTADIENE  BUTOXYETHANOL BUTYLACETATE TETRACHLOROETHYLENE  DICHLOROETHANE TICHLOROETHYLENE ETHYLACETOACETATE  CHLOROBENZENE CUMENE CYCLOHEXANE  CYCLOHEXANONE DECANE DIETHYLAMINE  DIMETHOXYMETHANE DIMETHYLFORMAMIDE EPICHLOROHYDRIN  ETHANOL ETHYLENEGLYCOL ETHYLACETATE  ETHYLENE ETHYLENE LISOAMYLACETATE  ETHYLENE ETHYLENE LISOAMYLACETATE  ISOPROPYL AMINE ISOPROPYL ETHER ISOBUTANOL  ISOBUTYL AMINE ISOPROPYL ETHER ISOBUTANOL  ISOPROPANOL JET A FUEL JP-5 FUEL  JP-8 FUEL MESITYLOXIDE METHYLARINE  METHYLTETHYLKETONE MENOMER  METHYLTETHYLKETONE MENOMER  PHOND  METHYLTETHYLKETONE MENOMER  METHYLTETHYLKETONE MONOMER  TERTIARYBUTYLETHER TRISDICHLOROETHENE  TRISDICHLOROETHENE  TERTIARYBUTYLAMINE TIRSDICHLOROETHENE  TERTIARYBUTYLAMINE TIRSDICTURENE  TERTIARYBUTYLAMINE TIRSDICTURENE  TERTIARYBUTYLAMINE TIRSDICHLOROETHENE  TERTIARYBUTYLAMINE TIRSDICHLOROETHENE  TERTIARYBUTYLAMINE  TERTIARYBUTYLAMINE  TERTIARYBUTYLAMINE  TIRSDICHLOROETHENE  TURPENTINE—CRUDE SULFATE  VINYL ACETATE  VINYL ACETATE  VINYL ACETATE	1,3,5-TRIMETHYLBENZENE	1-BUTANOL	1-METHOXY-2-PROPANOL
2-METHOXYETHANOL 2-PENTANONE 2-PICOLINE  n,n - DIMETHYLFORAMIDE n,n - DIMETHYLFORAMIDE ACETONE A-HYDROXY-4-METHYL-2-PENTANONE ACETALDEHYDE ACETOPHENONE ALLYLALCOHOL AMYL ACETATE BENZENE BROMOMETHANE BUTADIENE BUTOXYETHANOL BUTYLACETATE TETRACHLOROETHYLENE DICHLOROETHANE TICHLOROETHYLENE CYCLOHEXANOE DICHLOROETHANE CYCLOHEXANOE DICHLOROETHANE DIMETHOXYMETHANE DIMETHYLAMINE DIMETHYLAMINE DIMETHYLAMINE DIMETHOXYMETHANE DIMETHYLAMINE DIMETHYLAMINE DIMETHYLETHYLAMINE DIMETHOXYMETHANINE DIMETHYLAMINE DIMETHYLAMINE DIMETHOXYMETHANINE DIMETHYLAMINE DIMETHOXYMETHANINE DIMETHOXYMETHANINE DIMETHYLAMINE DIMETHOXYMETHANINE DIMETHOXYMETHANINE DIMETHYLAMINE DIMETHOXYMETHANINE DIMETHYLAMINE DIMETHOXYMETHANINE DIMETHOXY	1-PROPANOL	METHYLACETATE	METHYLACRYLATE
R.NDIMETHYLFORAMIDE   R.NDIMETHYLACETAMIDE   ACETONE	METHYLACETOACETATE	METHYLBENZOATE	METHYLMETHACRYLATE
A-HYDROXY-4-METHYL-2-PENTANONE ACETALDEHYDE ACETONE  ACETOPHENONE ALLYLALCOHOL AMYL ACETATE  BENZENE BROMOMETHANE BUTADIENE  BUTOXYETHANOL BUTYLACETATE TETRACHLOROETHYLENE  DICHLOROETHANE TRICHLOROETHYLENE ETHYLACETOACETATE  CHLOROBENZENE CUMENE CYCLOHEXANE  CYCLOHEXANONE DECANE DIETHYLAMINE  DIMETHOXYMETHANE DIMETHYLFORMAMIDE EPICHLOROHYDRIN  ETHANOL ETHYLENEGLYCOL ETHYLACETATE  ETHYLENE ETHYLENE OXIDE HEPTANE  HEXANE HYDRAZINE ISOAMYLACETATE  ISOPROPYL AMINE ISOPROPYL ETHER ISOBUTANOL  ISOBUTYLENE ISOCTANE ISOPHORONE  JP-5 FUEL  JP-8 FUEL MESTYLOXIDE METHYLENEYL ALCOHOL  METHYLETHYLETONE(MEK) METHYL ISOBUTYL KETONE MONOMETHYLAMINE  METHYLTETTIARYBUTYLETHER meta-XYLENE OCTANE  Ortho-XYLENE PHENOL PHOSPHINE  PROPYLENE PROPYLENDE TRISDICHLOROETHENE TERT-BUTYL MERCAPTAN  TERTIARYBUTYLAMINE TRISDICHLOROETHENE TERT-BUTYL MERCAPTAN  TERTIARYBUTYLALCOHOL  TERTARYBUTYLALCOHOL  TERTARYBUTYLALCOHOL  TURPENTINE—CRUDE SULFATE VINYL ACETATE	2-METHOXYETHANOL	2-PENTANONE	2-PICOLINE
ACETOPHENONE ALLYLALCOHOL AMYL ACETATE BENZENE BROMOMETHANE BUTADIENE BUTOXYETHANOL BUTYLACETATE TETRACHLOROETHYLENE DICHLOROETHANE TRICHLOROETHYLENE ETHYLACETOACETATE CHLOROBENZENE CUMENE CYCLOHEXANE CYCLOHEXANONE DECANE DIETHYLAMINE DIMETHOXYMETHANE DIMETHYLFORMAMIDE EPICHLOROHYDRIN ETHANOL ETHYLENEGLYCOL ETHYLACETATE ETHYLENE ETHYLENE OXIDE HEPTANE HEXANE HYDRAZINE isoAMYLACETATE isoPROPYL AMINE isoPROPYL ETHER isoBUTANOL isoBUTYLENE isoOCTANE isoPHORONE ISOPROPANOL JET A FUEL JP-5 FUEL JP-8 FUEL MESITYLOXIDE METHYLBENZYL ALCOHOL METHYLETHYLKETONE(MEK) METHYL ISOBUTYL KETONE MONOMETHYLAMINE ORTHO-XYLENE PHENOL PHOSPHINE PROPYLENE PROPYLENE OXIDE PARA-XYLENE OCTANE ORTHO-XYLENE PHONOL PHOSPHINE PROPYLENE PROPYLENE OXIDE PROPYLENE PROPYLENE OXIDE PROPYLENE PROPYLENE OXIDE PRICH TRICHTYL MERCAPTAN TERTIARYBUTYLAMINE TRISDICHLOROETHENE TERT-BUTYL MERCAPTAN TERTIARYBUTYLACHOL TURPENTINE—CRUDE SULFATE VINYL ACETATE VINYL ACETATE VINYL ACETATE VINYL ACETATE VINYL ACETATE VINYL ACETATE	n,n -DIMETHYLFORAMIDE	n,n -DIMETHYLACETAMIDE	3-PICOLINE
BENZENE BROMOMETHANE BUTADIENE BUTOXYETHANOL BUTYLACETATE TETRACHLOROETHYLENE DICHLOROETHANE TRICHLOROETHYLENE ETHYLACETOACETATE CHLOROBENZENE CUMENE CYCLOHEXANE CYCLOHEXANONE DECANE DIETHYLAMINE DIMETHOXYMETHANE DIMETHYLFORMAMIDE EPICHLOROHYDRIN ETHANOL ETHYLENEGLYCOL ETHYLACETATE ETHYLENE ETHYLENE DXIDE HEPTANE HEXANE HYDRAZINE ISOAMYLACETATE ISOPROPYL AMINE ISOPROPYL ETHER ISOBUTANOL ISOBUTYLENE ISOCTANE ISOPHORONE ISOPROPANOL JET A FUEL JP-5 FUEL JP-8 FUEL MESITYLOXIDE METHYLBENZYL ALCOHOL METHYLETHYLKETONE(MEK) METHYL ISOBUTYL KETONE MONOMETHYLAMINE OTHO-XYLENE PHENOL PHOSPHINE PROPYLENE PROPYLENE OXIDE PARA-XYLENE OTTO-XYLENE PROPYLENE OXIDE PARA-XYLENE OTTO-XYLENE PROPYLENE OXIDE PARA-XYLENE PYRIDINE PROPYLENE PROPYLENE OXIDE PARA-XYLENE  PYRIDINE TIRIBICHLOROETHENE TERT-BUTYL MERCAPTAN TERTIARYBUTYLALCOHOL TETRAHYDROFURAN THIOPHENE TOLUENE TURPENTINE—CRUDE SULFATE VINYL ACETATE	4-HYDROXY-4-METHYL-2-PENTANONE	ACETALDEHYDE	ACETONE
BUTOXYETHANOL BUTYLACETATE TETRACHLOROETHYLENE DICHLOROETHANE TRICHLOROETHYLENE ETHYLACETOACETATE CHLOROBENZENE CUMENE CYCLOHEXANE CYCLOHEXANONE DECANE DIETHYLAMINE DIMETHOXYMETHANE DIMETHYLFORMAMIDE EPICHLOROHYDRIN ETHANOL ETHYLENEGLYCOL ETHYLACETATE ETHYLENE ETHYLENE OXIDE HEPTANE HEXANE HYDRAZINE ISOAMYLACETATE ISOPROPYL AMINE ISOPROPYL ETHER ISOBUTANOL ISOBUTYLENE ISOOCTANE ISOPHORONE ISOPROPANOL JET A FUEL JP-5 FUEL JP-8 FUEL MESITYLOXIDE METHYLBENZYL ALCOHOL METHYLETHYLKETONE(MEK) METHYL ISOBUTYL KETONE MONOMETHYLAMINE METHYLTERTIARYBUTYLETHER meta-XYLENE OCTANE OTHO-XYLENE PHENOL PHOSPHINE PROPYLENE PROPYLENE OXIDE PATA-XYLENE PYRIDINE QUINOLINE STYRENE MONOMER TERTIARYBUTYLAMINE TRISDICHLOROETHENE TERT-BUTYL MERCAPTAN TERTIARYBUTYLAMINE TRISDICHLOROETHENE TERT-BUTYL MERCAPTAN TERTIARYBUTYLAMINE TERSALVENE VINYL ACETATE  TOLUENE TURPENTINE—CRUDE SULFATE VINYL ACETATE	ACETOPHENONE	ALLYLALCOHOL	AMYL ACETATE
DICHLOROETHANE  TRICHLOROETHYLENE  CHLOROBENZENE  CUMENE  CYCLOHEXANOE  DECANE  DIETHYLAMINE  DIMETHYLFORMAMIDE  EPICHLOROHYDRIN  ETHANOL  ETHYLENEGLYCOL  ETHYLACETATE  ETHYLENE  ETHYLENE  EHYDRAZINE  isopropyl amine  isopropyl ether  isophorone  isophorone  Isopropanol  Jet a fuel  JP-8 fuel  METHYLETHYLETHORE  METHYLETHYLETHER  METHYLETHOROHYDRIN  METHYLETHYLETHER  METHYLOXIDE  METHYLOXIDE  METHYLETHYLETHER  MONOMETHYLAMINE  TOTANE  MONOMETHYLAMINE  METHYLETHYLETHORE  METHYLETHYLETHORE  METHYLETHYLETHORE  METHYLETHYLETHER  METHYLETHYLETHER  METHYLETHYLETHER  METHYLETHORE  METHYLETHORE  PHENOL  PHOSPHINE  PROPYLENE  PROPYLENE  PROPYLENE  PROPYLENE  PROPYLENE  PROPYLENE  PROPYLENE  PROPYLENE  PRISDICHLOROETHENE  TERTIARYBUTYLAMINE  TERTIARYBUTYLAMINE  TERTIARYBUTYLACOHOL  TETRAHYDROFURAN  THIOPHENE  TOLUENE  TURPENTINE—CRUDE SULFATE  VINYL ACETATE  VINYL ACETATE  VINYL ACETATE  VINYL ACETATE	BENZENE	BROMOMETHANE	BUTADIENE
CHLOROBENZENE CUMENE CYCLOHEXANE  CYCLOHEXANONE DECANE DIETHYLAMINE  DIMETHOXYMETHANE DIMETHYLFORMAMIDE EPICHLOROHYDRIN  ETHANOL ETHYLENEGLYCOL ETHYLACETATE  ETHYLENE ETHYLENE OXIDE HEPTANE  HEXANE HYDRAZINE ISOAMYLACETATE  ISOPROPYL AMINE ISOPROPYL ETHER ISOBUTANOL  ISOBUTYLENE ISOOCTANE ISOPHORONE  ISOPROPANOL JET A FUEL JP-5 FUEL  JP-8 FUEL MESITYLOXIDE METHYLBENZYL ALCOHOL  METHYLETHYLKETONE(MEK) METHYL ISOBUTYL KETONE MONOMETHYLAMINE  METHYLTERTIARYBUTYLETHER THEA-XYLENE OCTANE  Ortho-XYLENE PROPYLENE OXIDE PARA-XYLENE  PROPYLENE PROPYLENE OXIDE PARA-XYLENE  PROPYLENE PROPYLENE OXIDE TERT-BUTYL MERCAPTAN  TERTIARYBUTYLAMINE TERSOHCHOROL  TERTIARYBUTYLAMINE TERSOHCHOROL  TERTIARYBUTYLAMINE TERSOHCHOROL  TERTIARYBUTYLAMINE TERSOHCHOROL  TURPENTINE—CRUDE SULFATE VINYL ACETATE	BUTOXYETHANOL	BUTYLACETATE	TETRACHLOROETHYLENE
CYCLOHEXANONE  DECANE  DIMETHYLAMINE  DIMETHYLAMINE  DIMETHYLFORMAMIDE  EPICHLOROHYDRIN  ETHANOL  ETHYLENEGLYCOL  ETHYLACETATE  ETHYLENE  ETHYLENE OXIDE  HEPTANE  HEXANE  HYDRAZINE  isopropyl amine  isopropyl amine  isopropyl amine  isopropyl ether  isopropanol  JET A FUEL  JP-5 FUEL  JP-5 FUEL  JP-8 FUEL  MESITYLOXIDE  METHYLERENZYL ALCOHOL  METHYLERTIARYBUTYLETHER  meta-XYLENE  OCTANE  OTHO-XYLENE  PROPYLENE  DUINOLINE  TERTIARYBUTYLAMINE  TERTIARYBUTYLAMINE  TERTIARYBUTYLAMINE  TURPENTINE—CRUDE SULFATE  VINYL ACETATE  VINYL ACETATE  VINYL ACETATE  VINYL ACETATE	DICHLOROETHANE	TRICHLOROETHYLENE	ETHYLACETOACETATE
DIMETHOXYMETHANE  DIMETHYLFORMAMIDE  ETHANOL  ETHYLENEGLYCOL  ETHYLACETATE  ETHYLENE  ETHYLENE OXIDE  HEPTANE  HEXANE  HYDRAZINE  isoPROPYL AMINE  isoPROPYL ETHER  isoBUTANOL  isoBUTYLENE  ISOPROPANOL  JET A FUEL  JP-5 FUEL  MESITYLOXIDE  METHYLETHYLKETONE(MEK)  METHYL ISOBUTYL KETONE  METHYLETHIARYBUTYLETHER  OCTANE  OTHO-XYLENE  PROPYLENE  TERTIARYBUTYLAMINE  TERTIARYBUTYLAMINE  TERTIARYBUTYLAMINE  TERTIARYBUTYLAMINE  TERTIARYBUTYLALCOHOL  TETRAHYDROFURAN  THIOPHENE  TOLUENE  TURPENTINE- CRUDE SULFATE  VINYL ACETATE	CHLOROBENZENE	CUMENE	CYCLOHEXANE
ETHANOL ETHYLENEGLYCOL ETHYLACETATE  ETHYLENE ETHYLENE OXIDE HEPTANE  HEXANE HYDRAZINE ISOAMYLACETATE  ISOPROPYL AMINE ISOPROPYL ETHER ISOBUTANOL  ISOBUTYLENE ISOCTANE ISOPHORONE  ISOPROPANOL JET A FUEL JP-5 FUEL  JP-8 FUEL MESITYLOXIDE METHYLBENZYL ALCOHOL  METHYLETHYLKETONE(MEK) METHYL ISOBUTYL KETONE MONOMETHYLAMINE  METHYLETHIARYBUTYLETHER META-XYLENE OCTANE  Ortho-XYLENE PHENOL PHOSPHINE  PROPYLENE PROPYLENE OXIDE PARA-XYLENE  PYRIDINE QUINOLINE STYRENE MONOMER  TERTIARYBUTYLAMINE TRISDICHLOROETHENE TERT-BUTYL MERCAPTAN  TERTIARYBUTYLALCOHOL TETRAHYDROFURAN THIOPHENE  TOLUENE TURPENTINE—CRUDE SULFATE VINYL ACETATE	CYCLOHEXANONE	DECANE	DIETHYLAMINE
ETHYLENE ETHYLENE OXIDE HEPTANE  HEXANE HYDRAZINE ISOAMYLACETATE  ISOPROPYL AMINE ISOPROPYL ETHER ISOBUTANOL  ISOBUTYLENE ISOCTANE ISOPHORONE  ISOPROPANOL JET A FUEL JP-5 FUEL  JP-8 FUEL MESITYLOXIDE METHYLBENZYL ALCOHOL  METHYLETHYLKETONE(MEK) METHYL ISOBUTYL KETONE MONOMETHYLAMINE  METHYLTERTIARYBUTYLETHER META-XYLENE OCTANE  Ortho-XYLENE PHENOL PHOSPHINE  PROPYLENE PROPYLENE OXIDE PARA-XYLENE  PYRIDINE QUINOLINE STYRENE MONOMER  TERTIARYBUTYLAMINE TRISDICHLOROETHENE TERT-BUTYL MERCAPTAN  TERTIARYBUTYLALCOHOL TETRAHYDROFURAN THIOPHENE  TOLUENE TURPENTINE— CRUDE SULFATE VINYL ACETATE	DIMETHOXYMETHANE	DIMETHYLFORMAMIDE	EPICHLOROHYDRIN
HEXANE HYDRAZINE isoAMYLACETATE isoPROPYL AMINE isoPROPYL ETHER isoBUTANOL isoBUTYLENE isoOCTANE isoPHORONE ISOPROPANOL JET A FUEL JP-5 FUEL  JP-8 FUEL MESITYLOXIDE METHYLBENZYL ALCOHOL METHYLETHYLKETONE(MEK) METHYL ISOBUTYL KETONE MONOMETHYLAMINE METHYLTERTIARYBUTYLETHER meta-XYLENE OCTANE ortho-XYLENE PHENOL PHOSPHINE PROPYLENE PROPYLENE OXIDE para-XYLENE PYRIDINE QUINOLINE STYRENE MONOMER TERTIARYBUTYLAMINE TRISDICHLOROETHENE TERT-BUTYL MERCAPTAN TERTIARYBUTYLALCOHOL TETRAHYDROFURAN THIOPHENE TOLUENE TURPENTINE— CRUDE SULFATE VINYL ACETATE	ETHANOL	ETHYLENEGLYCOL	ETHYLACETATE
isoPropyl amine isoPropyl ether isoButanol isoButylene isoOctane isoPhorone IsoPropanol Jet a fuel Jp-5 fuel Jp-8 fuel Mesityloxide Methylbenzyl alcohol Methylethylketone(Mek) Methyl isoButyl ketone Monomethylamine MethyltertiaryButylether meta-xylene Octane ortho-xylene Phenol Phosphine Propylene Propylene oxide para-xylene Pyridine Quinoline Styrene Monomer TertiaryButylamine trisdichloroethene tert-Butyl Mercaptan TertiaryButylalcohol tetrahydrofuran thiophene Toluene Turpentine- Crude sulfate vinyl acetate	ETHYLENE	ETHYLENE OXIDE	HEPTANE
isoBUTYLENE isoOCTANE isoPHORONE  ISOPROPANOL JET A FUEL JP-5 FUEL  JP-8 FUEL MESITYLOXIDE METHYLBENZYL ALCOHOL  METHYLETHYLKETONE(MEK) METHYL ISOBUTYL KETONE MONOMETHYLAMINE  METHYLTERTIARYBUTYLETHER meta-XYLENE OCTANE  ortho-XYLENE PHENOL PHOSPHINE  PROPYLENE PROPYLENE OXIDE para-XYLENE  PYRIDINE QUINOLINE STYRENE MONOMER  TERTIARYBUTYLAMINE TRISDICHLOROETHENE TERT-BUTYL MERCAPTAN  TERTIARYBUTYLALCOHOL TETRAHYDROFURAN THIOPHENE  TOLUENE TURPENTINE— CRUDE SULFATE VINYL ACETATE	HEXANE	HYDRAZINE	isoAMYLACETATE
ISOPROPANOL JET A FUEL JP-5 FUEL  JP-8 FUEL MESITYLOXIDE METHYLBENZYL ALCOHOL  METHYLETHYLKETONE(MEK) METHYL ISOBUTYL KETONE MONOMETHYLAMINE  METHYLTERTIARYBUTYLETHER meta-XYLENE OCTANE  ortho-XYLENE PHENOL PHOSPHINE  PROPYLENE PROPYLENE OXIDE para-XYLENE  PYRIDINE QUINOLINE STYRENE MONOMER  TERTIARYBUTYLAMINE TRISDICHLOROETHENE TERT-BUTYL MERCAPTAN  TERTIARYBUTYLALCOHOL TETRAHYDROFURAN THIOPHENE  TOLUENE TURPENTINE— CRUDE SULFATE VINYL ACETATE	isoPROPYL AMINE	isoPROPYL ETHER	isoBUTANOL
JP-8 FUEL MESITYLOXIDE METHYLBENZYL ALCOHOL  METHYLETHYLKETONE(MEK) METHYL ISOBUTYL KETONE MONOMETHYLAMINE  METHYLTERTIARYBUTYLETHER meta-XYLENE OCTANE  ortho-XYLENE PHENOL PHOSPHINE  PROPYLENE PROPYLENE OXIDE para-XYLENE  PYRIDINE QUINOLINE STYRENE MONOMER  TERTIARYBUTYLAMINE TRISDICHLOROETHENE TERT-BUTYL MERCAPTAN  TERTIARYBUTYLALCOHOL TETRAHYDROFURAN THIOPHENE  TOLUENE TURPENTINE—CRUDE SULFATE VINYL ACETATE	isoBUTYLENE	isoOCTANE	isoPHORONE
METHYLETHYLKETONE(MEK) METHYL ISOBUTYL KETONE METHYLTERTIARYBUTYLETHER meta-XYLENE OCTANE Ortho-XYLENE PHENOL PHOSPHINE PROPYLENE PROPYLENE PROPYLENE OUINOLINE TERTIARYBUTYLAMINE TERTIARYBUTYLAMINE TERTIARYBUTYLALCOHOL TETRAHYDROFURAN THIOPHENE TOLUENE TURPENTINE—CRUDE SULFATE  MONOMETHYLAMINE DCTANE OCTANE OCTANE OCTANE PHOSPHINE OCTANE PHOSPHINE  THOSPHINE TERTIARYBUTYLAMINE TERT-BUTYL MERCAPTAN THIOPHENE TOLUENE TURPENTINE—CRUDE SULFATE VINYL ACETATE	ISOPROPANOL	JET A FUEL	JP-5 FUEL
METHYLTERTIARYBUTYLETHER       meta-XYLENE       OCTANE         ortho-XYLENE       PHENOL       PHOSPHINE         PROPYLENE       PROPYLENE OXIDE       para-XYLENE         PYRIDINE       QUINOLINE       STYRENE MONOMER         TERTIARYBUTYLAMINE       TRISDICHLOROETHENE       TERT-BUTYL MERCAPTAN         TERTIARYBUTYLALCOHOL       TETRAHYDROFURAN       THIOPHENE         TOLUENE       TURPENTINE- CRUDE SULFATE       VINYL ACETATE	JP-8 FUEL	MESITYLOXIDE	METHYLBENZYL ALCOHOL
Ortho-XYLENE PHENOL PHOSPHINE  PROPYLENE PROPYLENE OXIDE para-XYLENE  PYRIDINE QUINOLINE STYRENE MONOMER  TERTIARYBUTYLAMINE TRISDICHLOROETHENE TERT-BUTYL MERCAPTAN  TERTIARYBUTYLALCOHOL TETRAHYDROFURAN THIOPHENE  TOLUENE TURPENTINE—CRUDE SULFATE VINYL ACETATE	METHYLETHYLKETONE(MEK)	METHYL ISOBUTYL KETONE	MONOMETHYLAMINE
PROPYLENE PROPYLENE OXIDE para-XYLENE  PYRIDINE QUINOLINE STYRENE MONOMER  TERTIARYBUTYLAMINE TRISDICHLOROETHENE TERT-BUTYL MERCAPTAN  TERTIARYBUTYLALCOHOL TETRAHYDROFURAN THIOPHENE  TOLUENE TURPENTINE—CRUDE SULFATE VINYL ACETATE	METHYLTERTIARYBUTYLETHER	meta-XYLENE	OCTANE
PYRIDINE QUINOLINE STYRENE MONOMER  TERTIARYBUTYLAMINE TRISDICHLOROETHENE TERT-BUTYL MERCAPTAN  TERTIARYBUTYLALCOHOL TETRAHYDROFURAN THIOPHENE  TOLUENE TURPENTINE— CRUDE SULFATE VINYL ACETATE	ortho-XYLENE	PHENOL	PHOSPHINE
TERTIARYBUTYLAMINE TRISDICHLOROETHENE TERT-BUTYL MERCAPTAN  TERTIARYBUTYLALCOHOL TETRAHYDROFURAN THIOPHENE  TOLUENE TURPENTINE— CRUDE SULFATE VINYL ACETATE	PROPYLENE	PROPYLENE OXIDE	para-XYLENE
TERTIARYBUTYLALCOHOL TETRAHYDROFURAN THIOPHENE TOLUENE TURPENTINE- CRUDE SULFATE VINYL ACETATE	PYRIDINE	QUINOLINE	STYRENE MONOMER
TOLUENE TURPENTINE— CRUDE SULFATE VINYL ACETATE	TERTIARYBUTYLAMINE	TRISDICHLOROETHENE	TERT-BUTYL MERCAPTAN
	TERTIARYBUTYLALCOHOL	TETRAHYDROFURAN	THIOPHENE
VINYL CHLORIDE VINYLCYCLOHEXANE (VCH)	TOLUENE	TURPENTINE- CRUDE SULFATE	VINYL ACETATE
	VINYL CHLORIDE	VINYLCYCLOHEXANE (VCH)	

# **3M**<sup>™</sup> Portable Calibration Gas Kits

MODEL NUMBER	
933-000-026	3M™ Ammonia (AM) Calibration Kit 34L 25 PPM Ammonia, 0.5 LPM 715 Regulator
933-000-027	3M™ Chlorine (CL) Calibration Kit 34L 5 PPM Chlorine, 0.5 LPM 715 Regulator
933-000-031	$3\text{M}^{\text{TM}}$ Isobutylene Cal Kit, 34L 100 PPM Isobutylene, 0.2 LPM 713 Regulator
933-000-040	3M™ Methyl Mercaptan Cal Kit, 34L 10 PPM Methyl Mercaptan, 0.5 LPM 715 Regulator
933-000-023	3M™ Multi-Gas Calibration Gas Kit (Methane) 34L 10% LEL ME/35 PPM CO/10 PPM HS/18% OX 0.2 LPM 715 Regulator
933-000-202	3M™ Multi-Gas Calibration Gas Kit (Pentane) 34L 10% LEL PE/35 PPM CO/10 PPM HS/18% OX, 0.2 LPM 715 Regulator
933-000-023	Mercaptan, 0.5 LPM 715 Regulator  3M™ Multi-Gas Calibration Gas Kit (Methane) 34L 10% LEL ME/35 PPM CO/10 PPM HS/18% OX 0.2 LPM 715 Regulator  3M™ Multi-Gas Calibration Gas Kit (Pentane) 34L 10% LEL PE/35 PPM CO/10 PPM HS/18% OX, 0.2

MODEL NUMBER	
933-000-029	3M™ Nitric Oxide (NO) Calibration Gas Kit 34L 25 PPM Nitric Oxide, 0.2 715 Regulator
933-000-030	3M™ Nitrogen Dioxide Calibration Kit 34L 5 PPM Nitrogen Dioxide, 0.2 LPM 715 Regulator
933-000-313	3M™ Phosphine (PH) Cal Kit, 34L 1 PPM Phosphine, 0.5 LPM 715 Regulator
933-000-028	3M™ Sulfur Dioxide (SO) Calibration Kit 34L 5 PPM Sulfur Dioxide, 0.2 LPM 715 Regulator
933-000-025	3M™ Hydrogen (HY) Calibration Gas Kit 103L 100 PPM Hydrogen, 0.2 LPM 715 Regulator
933-020-100	3M <sup>™</sup> Propane Cal Kit, 34L 300 PPM Propane, humidifier kit, 0.2 LPM 713 Regulator