

3M® Personal Air Monitors

Simple and effective badge style design ensures easy compliance with air monitoring regulations

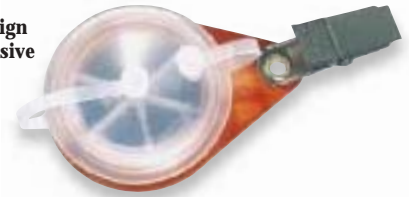
Monitors contain a sorbent wafer that collects airborne contaminants for later lab analysis—simply clip unit to your clothing, wear for the duration of the sampling period, and send it to 3M or any other certified gas chromatography lab to determine exposure. For your convenience, monitors with prepaid 3M analysis fee are available below.

Organic vapor monitor has a charcoal sorbent wafer that adsorbs over 125 vapors—ideal for personal monitoring in a variety of settings. Ethylene oxide monitor is designed for personnel in the pharmaceutical, health care, and chemical industries; use formaldehyde monitor for health care, laboratory, and industrial applications. All models have an 18-month shelf life.

Description	Monitor only			Monitor with prepaid analysis by 3M		
	Cat. no.	Qty/pk	Price/pk	Cat. no.	Qty/pk	Price/pk
Organic vapors	A-40116-00	10		A-40116-02*	5	
Ethylene oxide	A-40116-04	5		A-40116-06	5	
Formaldehyde	A-40116-08	5		A-40116-10	5	

*Price includes analysis of up to three (91 available) organic vapors, see partial list at right.

Badge-style design permits unobtrusive monitoring.



Partial Compound List for Monitors†

Benzene	n-Hexane	Perchloroethylene
n-Butyl Alcohol	Isopropyl Alcohol	Stoddard Solvent
Camphor	Methyl Butyl Ketone	Toluene
Carbon Tetrachloride	Methylene Chloride	1,1,1 Trichloroethane
Chloroform	Methyl Ethyl Ketone	1,1,2-Trichloroethane
Cyclohexanol	Mineral Spirits	Trichloroethylene
Ethyl Acetate	Naphtha	Xylene

†Note: For a complete list of vapors, call our Application Specialists at 800-323-4340.

Sensidyne® Gas Detection Tubes

Measure a wide variety of gases and vapors with this detection system. Stable absorbing media ensure distinct color changes for clear, accurate results. Calibration scales are printed on the basis of

individual production lot—eliminating inaccuracy due to variation in tube diameter, packing precision, and reactivity. Box of 10 single tubes (10 tests) or 10 twin tubes with rubber connector (5 tests/box)†.

HR—high range

MR—mid-range

LR—low range

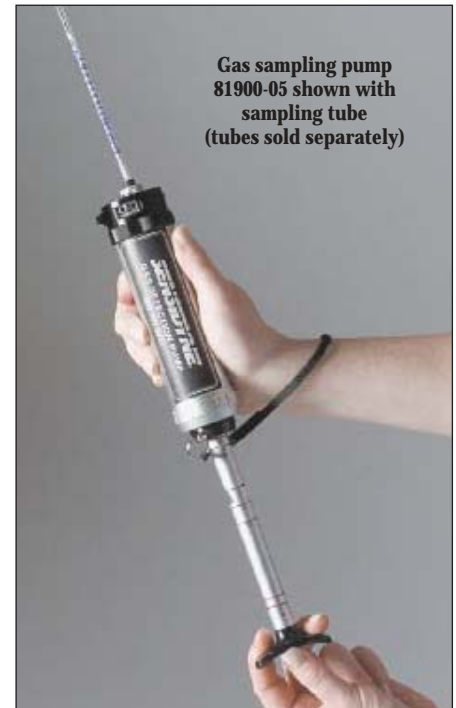
XLR—extra low range

SEI—certified by Safety Equipment Institute

Catalog number	Gas/vapor	Range	TLV	Price/bx
A-81900-11	Acetic acid	1 to 50 ppm	10 ppm	
A-81900-12	Acetone	0.1 to 5%	750 ppm	
A-81900-70	Ammonia (LR)	50 to 900 ppm	25 ppm	
A-81900-71	Ammonia (SEI)	10 to 260/5 to 130 ppm	25 ppm	
A-81900-13	Ammonia (MR)	1 to 20/0.2 to 1 ppm	25 ppm	
A-81900-88	Arsine and Phosphine	0.05 to 2.00 ppm	0.05 ppm	
A-81900-72†	Benzene	5 to 200 ppm	10 ppm	
A-81900-14†	Benzene (SEI)	1 to 100 ppm	10 ppm	
A-81900-80	Carbon dioxide (SEI)	0.1 to 2.6%	5000 ppm	
A-81900-15	Carbon dioxide	1 to 20%	5000 ppm	
A-81900-16	Carbon monoxide (XLR)	1 to 50 ppm	25 ppm	
A-81900-74	Carbon monoxide (SEI)	10 to 250 ppm	25 ppm	
A-81900-17	Carbon monoxide (HR)	0.1 to 20%	25 ppm	
A-81900-81	Chlorine (SEI)	0.1 to 10/0.1 to 0.5 ppm	0.5 ppm	
A-81900-18†	Chloroform	70 to 500/23 to 100 ppm	10 ppm	
A-81900-19	Ethyl acetate	0.1 to 5.0%	400 ppm	
A-81900-82	Ethylene	0.1 to 100 ppm	asphyx	
A-81900-20†	Ethylene glycol	20 to 250 mg/m ³	100 mg/m ³	
A-81900-21	Ethylene oxide	0.01 to 1.8/1 to 4%	1 ppm	
A-81900-83†	Formaldehyde	1 to 35 ppm	0.3 ppm	
A-81900-22	n-Hexane	50 to 1400 ppm	50 ppm	
A-81900-23	Hydrocarbon, high-class	50 to 1400 ppm	—	
A-81900-24	Hydrocarbon, low-class	0.05 to 0.6%	—	
A-81900-25†	Hydrogen chloride (SEI)	0.4 to 40 ppm	5 ppm	
A-81900-26**	Hydrogen cyanide (SEI)	0.5 to 100 ppm	5 mg/m ³	
A-81900-27	Hydrogen fluoride	1 to 30 ppm	3 ppm	
A-81900-85	Hydrogen sulfide	0.2 to 5 ppm	10 ppm	
A-81900-84	Hydrogen sulfide (SEI)	1 to 60 ppm	10 ppm	
A-81900-76	Hydrogen sulfide (LR)	3 to 150/0.75 to 37.5 ppm	10 ppm	
A-81900-75	Hydrogen sulfide (MR)	100 to 2000 ppm	10 ppm	
A-81900-28	Hydrogen sulfide (HR)	0.05 to 1.2%	10 ppm	
A-81900-29	Isopropyl alcohol	20 to 1200 ppm	400 ppm	
A-81900-30	Mercury vapor	0.5 to 10 mg/m ³	0.025 mg/m ³	
A-81900-87	Methanol	20 to 1000 ppm	200 ppm	
A-81900-36	MEK	0.01 to 1%	200 ppm	
A-81900-77†**	Methyl bromide	2.5 to 80 ppm	5 ppm	
A-81900-78	Nitrogen dioxide	0.5 to 30 ppm	3 ppm	
A-81900-31†	Nitrogen oxide	10 to 300 ppm NO 1 to 40 ppm NO ₂	25 ppm NO 3 ppm NO ₂	
A-81900-32†	Oxygen	1.5 to 24%	—	
A-81900-86	Ozone	0.05 to 3.0 ppm	0.05 ppm	
A-81900-90	Sulfide ion	2 to 1000 ppm	—	
A-81900-89	Sulfur dioxide (SEI)	1 to 60 ppm	2 ppm	
A-81900-33**	Trichloroethylene (SEI)	5 to 300 ppm	50 ppm	
A-81900-34†**	Vinylchloride (SEI)	5 to 500 ppm	5 ppm	
A-81900-35	Xylene	5 to 1000 ppm	100 ppm	

†Models contain 10 twin tubes (5 tests/box).

**Store at 5 to 10°C (40 to 50°F) or below.



Gas sampling pump 81900-05 shown with sampling tube (tubes sold separately)

Gas Sampling Pump

Fail-safe handle lock ensures accurate 50- and 100-cc samples with a single stroke

Precision, hand-operated piston pump works with Sensidyne® gas detection tubes (order separately at left). Features stroke counter, flow-finish indicator that signals stroke completion, and built-in tube-tip breaker. Includes soft case.

[A-81900-05](#) Sampling pump