

## Gas Monitors For Consideration in Swine Barn Activities (High-Hazard H<sub>2</sub>S and Methane Operations)

Category	Manufacturer / Model	US Distributors	Estimated Price**
Single Gas - H <sub>2</sub> S	BW Honeywell Clip/GasAlert (hibernation case)*	PK Safety, Amazon	\$ 110
	BW Honeywell Clip Real Time H <sub>2</sub> S	PK Safety, GasSniffer.com, ConfinedSpace.com	\$ 149-220
	BW Honeywell GasAlert <i>Extreme</i> H <sub>2</sub> S	PK Safety, Gas Sniffer, Zoro, eSafety Supplies	\$ 205-244
	Drager Pac (3500 H <sub>2</sub> S)	PK Safety, DragerSafetyUSA.com	\$ 209
	Gas Clip Technologies Single Gas Clip (SGC Plus) H <sub>2</sub> S	PK Safety, ConfinedSpace.com, GasSniffer.com	\$ 158-199
	Industrial Scientific T40-Rattler (uses AA batteries)	AllSafetyProducts.com	\$ 200-237
	Industrial Scientific GasBadge Pro	Zoro.com	\$ 385
	MSA Altair (single)*	PK Safety, IndustrialSafety.com	\$ 109
	RKI 03 Series H <sub>2</sub> S	PK Safety, GasSniffer.com, Gas Detection Warehouse	\$ 280
	RAE Systems ToxiRAE II	PK Safety, GasSniffer.com	\$ 275
RAE Systems ToxiRAE Pro (non-wireless)	Instrumart, QC Supply	\$ 420	
Single Gas - LEL (explosion monitors)	Draeger Gas Detector LEL (X-am 2500 EX)	Zoro.com, DragerSafetyUSA.com	\$ 995
	RAE Systems ToxiRAE Pro	PK Safety, ConfinedSpace.com, GasSniffer.com	\$ 520-720
	RKI 03 Series (LEL as CH <sub>4</sub> )	PK Safety, GasSniffer.com, Gas Detection Warehouse	\$ 345
MultiGas for LEL	BW Honeywell 4-gas Microclip X3 - (O <sub>2</sub> , LEL, H <sub>2</sub> S, CO)	PK Safety, Instrumart.com, ConfinedSpace.com	\$ 600
	BW Honeywell Gas Clip Technologies, Multi gas with pellistor sensor (MGC-P) - (O <sub>2</sub> , LEL, H <sub>2</sub> S, CO)	PK Safety, Zorro, Gas Sniffer, ConfinedSpace	\$ 530-670
	BW Honeywell Gas Clip Technologies, Multi gas with IR sensor (MGC-IR-Pump) - O <sub>2</sub> , LEL, CO, H <sub>2</sub> S)	PKSafety, EnviroSafety Products, Zoro, GasSnifer, ConfinedSpace	\$ 890-1000
	Draeger Multi-gas X-am 2500 4 gas (O <sub>2</sub> ,LEL, H <sub>2</sub> S, CO)	PK Safety, Zoro, Grainger, DragerSafetyUSA.com	\$ 700-1000
	Draeger Multi-gas X-am 5000 5 gas (O <sub>2</sub> , LEL, H <sub>2</sub> S, CO, +)	PK Safety, DragerSafetyUSA.com	\$ 1,300
	Honeywell GasAlertQuatro (QT-XWHM-R-Y-NA ) - (O <sub>2</sub> , LEL, H <sub>2</sub> S, CO)	PK Safety, Instrumart.com, GasSniffer.com	\$ 775
	MSA Altair 2 Gas (10110444) - (O <sub>2</sub> , LEL)	Zoro, Industrial Safety, Safety Equipment Direct, eSafety Supplies	\$ 707
	MSA Altair 3 Gas (10110443) - (O <sub>2</sub> , LEL, CO)	Zoro, Industrial Safety Products, Safety Equipment Direct	\$ 830
	MSA Altair 4 Gas (10107602) - (O <sub>2</sub> , LEL, H <sub>2</sub> S, CO)	Zoro, IndustrialSafety, MedexSupply	\$ 925
	RAE Systems MicroRae (O <sub>2</sub> , LEL, H <sub>2</sub> S, CO)	Gas Detection Warehouse, Mid-State Instruments	\$ 725

\*Does not have continuous display of concentrations on screen

\*\*Prices based on 11/3/16 on-line searches

These have not all been tested for longevity in agricultural environments. Additional distributors are available, but these are widely available safety equipment vendors.

If multiple gases are present (e.g. LEL and H<sub>2</sub>S), recommend considerations to purchase a multi-gas monitor.

Multi-gas monitors require more maintenance than the single-gas disposable monitors (that shut off after 12 or 24 months).

Calibration: 25 ppm H<sub>2</sub>S ranges from \$128 - 200 per bottle  
Multi gas (including 25 ppm H<sub>2</sub>S) range from \$200-240/bottle  
Gas regulators range from \$175-200