



# Single Gas Detector Comparison



Company		RKI Instruments		Honeywell		ISC		MSA	Draeger	Honeywell		ISC	MSA	Draeger	Gas Clip Technologies		Scott Instruments
				BW Technologies	RAE Systems					BW Technologies	Sperian						
Model Name		-03 Series		GasAlert Extreme	ToxiRae Pro	Gasbadge Pro	Tango TX1	Altair Pro	Pac 5500	BW Clip	Toxi Pro	T40 Rattler	Altair	Pac 3500	Single Gas Clip Plus	Single Gas Clip	Protege ZM
6 yr Cost of ownership		\$560 (H2S & CO) \$520 (O2)		\$725 (H2S & CO) \$605 (O2)	\$840	\$885 (H2S & CO) \$685 (O2)	\$615	\$1,047 (H2S & CO) \$893 (O2)	\$613	\$585	\$747	\$585	\$786	\$736	\$597	\$507	\$597
4 yr Cost		\$420 (H2S & CO) \$400 (O2)		\$500 (H2S & CO) \$440 (O2)	\$630	\$635 (H2S & CO) \$535 (O2)	\$440	\$758 (H2S & CO) \$681 (O2)	\$462	\$390	\$498	\$390	\$524	\$524	\$398	\$338	\$398
List Price		\$280 (3yr H2S & CO, 2yr on O2)		\$275	\$420	\$385	\$265 (H2S & CO only)	\$469	\$311	\$195 2yr \$246 3yr (H2S & CO only)	\$249	\$195 (CO, H2S)	\$262	\$212	\$199 (CO, H2S)	\$169	\$199
Sensor Cost	O2	\$120		\$165	\$210	\$150	N/A	\$212	\$151	Disposables							
	CO	\$140		\$225	\$210	\$250	175	\$289	\$151								
	H2S	\$140		\$225	\$210	\$250	175	\$289	\$151								
Charger		not rechargeable		Standard	Standard	not rechargeable	not rechargeable	not rechargeable	not rechargeable								
Weight (oz.)		2.8 oz.		2.9 oz.	7.76 oz.	3 oz.	4.4 oz	4.0 oz	3.8 oz	3.2 oz	3.5oz	3.5 oz.	4.0 oz	3.8 oz	2.7 oz.	2.7 oz.	2.7 oz
Size (in.)		2.1 x 2.6 x 0.9		1.1 x 2.0 x 3.75 in.	4.6" H x 2.4" W x 1.2"	3.7 x 2 x 1.1	3.9" x 2.0" x 1.4"	3.4" x 2.0" x 1.0"	2.5 x 3.3 x 1.0"	1.1 x 2.0 x 3.4 in.	3.325"x 2.19" x 1.16"	3.375 x 2.3 x .75	3.4" x 2.0" x 1.0"	2.5 x 3.3 x 1.0"	3.3" H x 2.0" x 1.1"	3.3" H x 2.0" x 1.1"	3.7" x 2.2" x 1.3"
Power Supply	Power Options	2 AAA Alkaline		Replaceable 3V battery	Rechargeable Li-ion battery	CR2 Lithium	3.6 V Primary lithium-thionyl chloride	CR2 camera battery	Lithium (replaceable)	Internal (non replaceable)	Lithium	AA Alkaline	Lithium (non replaceable)	Lithium (replaceable)	not available	not available	Lithium Ion battery
	Cont. Operations	3,000 hrs. Alkaline		1.5 years	30 hours	2,600 hours		y 9,000 hrs (> 1 year)	5,500 hours	always on 2 years (3 year option)	9000 hrs.	500 hr	2 years or 1080 minutes	5,500 hours	2 years	2 years	2 year
Alarm Types		Vibration, Visual, Audible		Vibration, Visual, Audible	Vibration, Visual, Audible	Vibration, Visual, Audible	Vibration, Visual, Audible	Vibration, Visual, Audible	Vibration, Visual, Audible	Vibration, Visual, Audible	Vibration, Visual, Audible	Vibration, Visual, Audible	Vibration, Visual, Audible	Vibration, Visual, Audible	Vibration, Visual, Audible	Vibration, Visual, Audible	Vibration, Visual, Audible
Vibration Alarm		Standard		Standard	Standard	Standard	Standard	Standard	Standard	included	standard	standard	included	included	included	included	included
IP Rating		IP-67		IP-66/67	IP-65	water-resistant	IP-66/67	IP-67	IP-65	IP-66/67	IP-66/IP67	impact-resistant	IP-67	IP-65	IP-67	IP-67	IP-66/67
Approvals		ATEX/IECEX CSA, "C/US", as intrinsically safe, Class I, Division 1, Groups A, B, C, D		UL, Class I, Div. 1, A, B, C, D, ATEX, IECEX, CE	CSA, ATEX, IECEX:	UL, CSA	UC, ATEX, CSA	Class I, Div. 1, Groups A, B, C and D; Class II, Div. 1	UL, ATEX, cUL, IECEX	UL, Class I, Div. 1, Gr. A, B, C, D, ATEX, IECEX		UL, cUL	Class 1, Division 1, Groups A, B, C and D	UL, ATEX, cUL, IECEX	UL, ATEX	UL, ATEX	CE Mark includes ATEX & EMC
Sensors, Mfg. or Sourced		Manufactured		Sourced	Manufactured	Sourced	Sourced	Manufactured	Manufactured	Sourced	sourced	Sourced	Manufactured	Manufactured	sourced	sourced	Sourced
Warranty		3 years CO, H2S 2 years O2		2 years	2 years	Lifetime	2 Years	2 year	2 years								

\*Note: 6 year cost of ownership= unit price + (sensor replacement x 2). Disposable= unit price x 3.  
4 year cost of ownership = unit price + sensor replacement, disposable= unit price x 2

All information is gathered from available materials published by the companies in print and on the Internet. RKI Instruments makes no claim to its accuracy. 10/02/17