



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	RAE Systems							
Model Name		-03 Series	GasAlert Extreme	ToxiRae Pro	Gasbadge Pro	Tango TX1	Altair 2X	Altair Pro	Pac 5500	Pac 7000	GasAlertClip Extreme	ToxiRae 3	T40 Rattler	Altair	Pac 3500	Single Gas Clip Plus	Single Gas Clip	Protege ZM	
List Price		\$280 LEL \$320	\$275	\$420 LEL \$520	\$375	\$265 (CO, H2S)	\$425 (CO, H2S)	\$421	\$311	\$600	\$189	\$190 (CO, H2S)	\$195 (CO, H2S)	\$276	\$207	\$199 (CO, H2S)	\$169	\$169	
6 yr Cost of ownership		\$540	\$715	\$818	\$875	\$440	\$683	\$999	\$613	\$892	\$567	\$570	\$585	\$828	\$621	\$597	\$507	\$507	
Sensor \$	LEL	\$110	N/A	\$210	N/A	N/A	N/A	N/A	N/A	N/A	Disposables								
	O2	\$110	\$165	\$199	\$150	N/A	N/A	\$212	\$151	\$292									
	CO	\$130	\$220	\$199	\$250	175	\$258	\$289	\$151	\$292									
	H2S	\$130	\$220	\$199	\$250	175	\$258	\$289	\$151	\$292									
Weight (oz.)		2.8 oz.	2.9 oz.	7.76 oz.	3 oz.	4.4 oz	8.3 oz	4.0 oz	3.8 oz	3.8 oz	2.7 oz.	3.5 oz	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	2 x 3.7 x 1.5	4.6" x 2.4" x 1.2"	3.7 x 2 x 1.1	3.9" x 2.0" x 1.4"	4.4 x 3.0 x 1.37	3.4" x 2.0" x 1.0"	2.5 x 3.3 x 1.0"	2.5 x 3.3 x 1.0"	1.1 x 2.0 x 3.2	3.4" x 2.2" x 0.8"	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	Alkaline / NiMH	Rechargeable Integral Lithium Ion	Rechargeable Li-ion battery	CR2 Lithium	3.6 V Primary lithium-thionyl chloride	Lithium (replaceable)	CR2 camera battery	Lithium (replaceable)	Lithium (replaceable)	Internal (non replaceable)	2/3 AA high-capacity lithium	AA Alkaline replaceable	Lithium (non replaceable)	Lithium (replaceable)	not available	not available	Lithium Ion battery	
	Cont. Operations	3,000 / 2,000 hrs	2 years	30 hours	2,600 hours	3 years	6 to 12 months	9,000 hrs (> 1 year)	5,500 hours	5,500 hours	2 years	2 years	1,500 hr	2 years or 1080 minutes	5,500 hours	2 years	2 years	2 year	
IP Rating		IP-67	IP-66/67	IP-65	water-resistant	IP-66/67	IP-67	IP-67	IP-65	IP-65	IP-66/67	IP-67	impact-resistant	IP-67	IP-65	IP-67	IP-67	IP-66/67	
Approvals		Intrinsically safe, ATEX (CSA pending)	UL, CSA	CSA, ATEX, IECEx	UL, CSA	UC, ATEX, CSA	cCSAus Class I Div 1 Groups A, B, C, D ATEX, IEC, CSA, IECEx	Class I, Div. 1, Groups A, B, C and D; Class II, Div. 1	UL, ATEX, cUL, IECEx	UL, ATEX, cUL, IECEx	UL, Class I, Div. 1, Gr. A, B, C, D, ATEX, IECEx	Groups A, B, C, D, T4	UL, cUL, CSA, ATEX	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	Manufactured	Manufactured	Sourced	Sourced	Sourced	Manufactured	Manufactured	Sourced	Sourced	Sourced	
Warranty		3 years	2 years (given normal operation), plus one year shelf life	2 years	2 years CO, H2S, and O2 sensors. Lifetime (instrument)	3 years CO, H2S & instrument.	3 years 2 years on Cl2, NH3)	2 years, 3 year instrument warranty	2 years	5 years	2 years	2 years	2 year	2 years	2 years	2 years	2 years	2 years	

*Note: 6 year cost of ownership (non LEL)= unit price + (sensor replacement x 2). Disposable= unit price x 3. Three year warranty items = unit price + sensor cost.
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. 12/9/14