



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	Protoze ZM
List Price		\$280	\$275	\$420	\$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 \$	O2	\$110	\$165	\$199	\$150	N/A	N/A	\$212	\$151	\$292	Disposables		Disposables		Disposables		Disposables	
	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	Recharge- able Integral Lithium Ion	Rechargeable Li-ion battery	CR2 Lithium	3.6 V Primary lithium-thionyl chloride	Lithium (replaceable)	CR2 camera battery	Lithium (replace- able)	Lithium (replace- able)	Internal (non replace- able)	2/3 AA high- capacity lithium	AA,Alkaline replaceable	Lithium (non replace- able)	Lithium (replace- able)	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			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 in- cludes ATEX & EMC
Sensors, Mfg. or Sourced		Manufactured	Sourced	Manufactured	Sourced	Sourced	Manufactured	Manufactured	Manufac- tured	Manufac- tured	Sourced	Sourced	Sourced	Manufactured	Manufac- tured	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 instru- ment 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= 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. 05/15/14