



GasAlertQuattro Sales Training 2009

**GasAlert
Quattro**

GasAlertQuattro Portable Multi Gas Detector



September 2009

GasAlertQuattro

BW
Technologies
by Honeywell



Saves Time + Increased Productivity + 0% Downtime + Compliance Confidence = GasAlertQuattro



- *IntelliFlash lets the safety manager immediately know their crew is safe, the site is compliant and the job is productive.*



- *Simplified Training and Operation increases productivity and gives a easy user experience .*



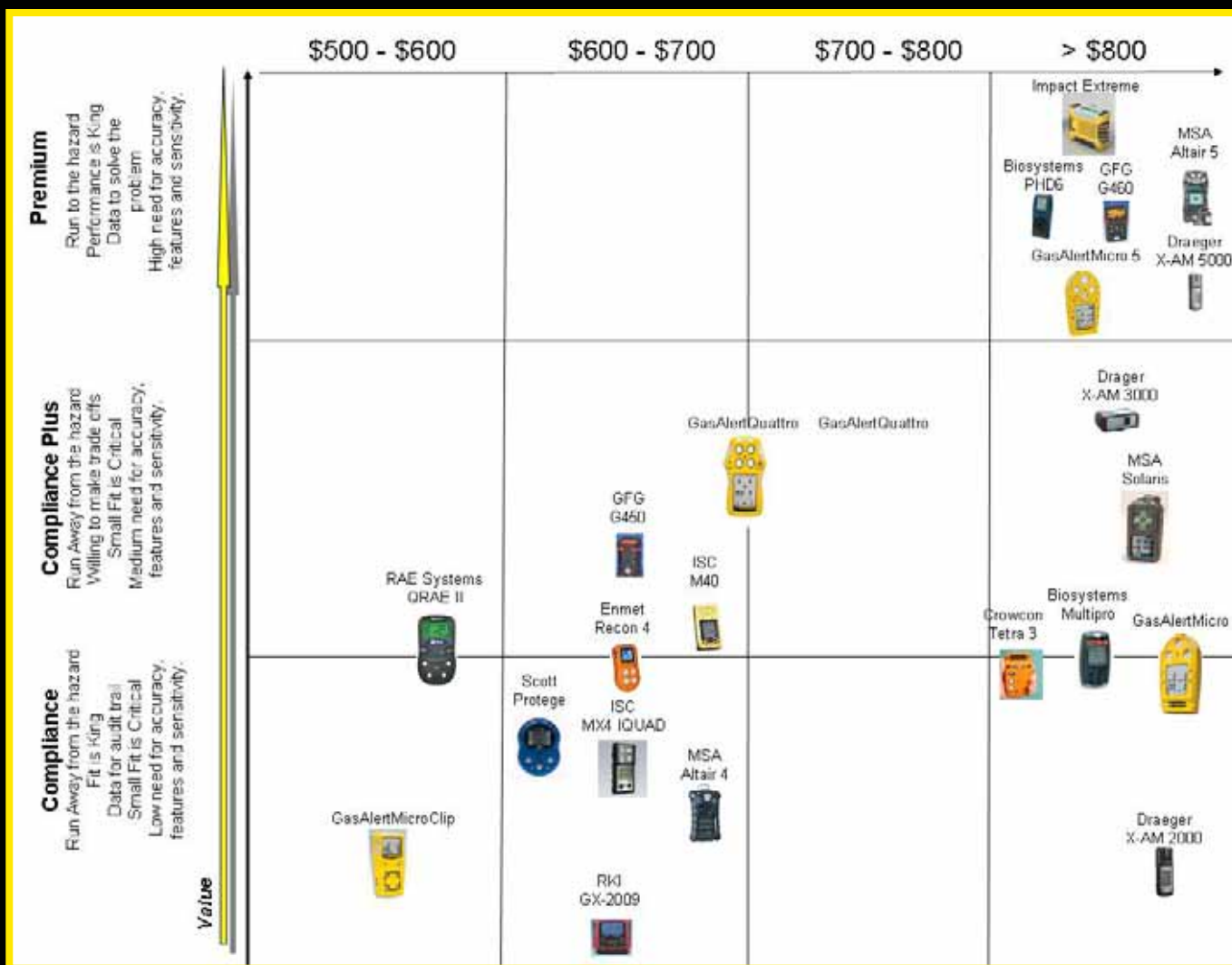
- *You can count on the GasAlertQuattro's interchangeable power options and long battery life to get you through every shift.*



- *The GasAlertQuattro will last through any industrial environment so personnel can continue being protected.*



- *The GasAlertQuattro has the highest level of Safety of any gas detector in the market.*



- **Markets to Target**
 - General Confined Space Entry and Personnel Protective equipment markets
 - Utilities / Power
 - Oil and Gas – visual compliance auditing – simplicity
 - Rental market – easily interchange battery with long runtimes – rugged
 - Contractors – Battery flexibility
 - Steel
 - Construction
 - Marine
- **Markets to proceed with caution**
 - Mining – initially no MSHA
 - Aviation – No PID
 - Telecommunication – likely higher priced product than required



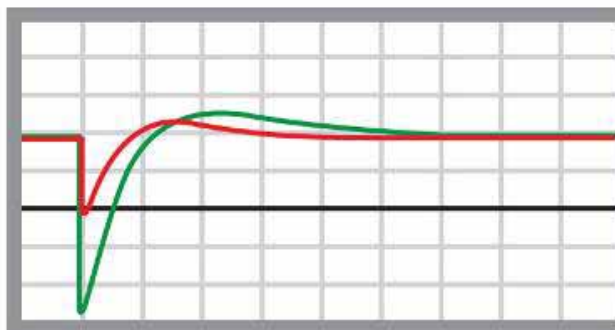
- **REFLEX[®] — a Honeywell Patented Exclusive**
- **A Form of Built-In, Electronic Bump Testing**
 - Applies a special electronic pulse to the cell periodically
 - Reviews 'echo' from the cell as it responds to the applied signal
 - Sounds alert when EC cell enters a fault condition (e.g. open or short circuit)
- **The REFLEX[®] Advantage**
 - Continuously monitors health check status of EC cells
 - Provides double assurance of safety!

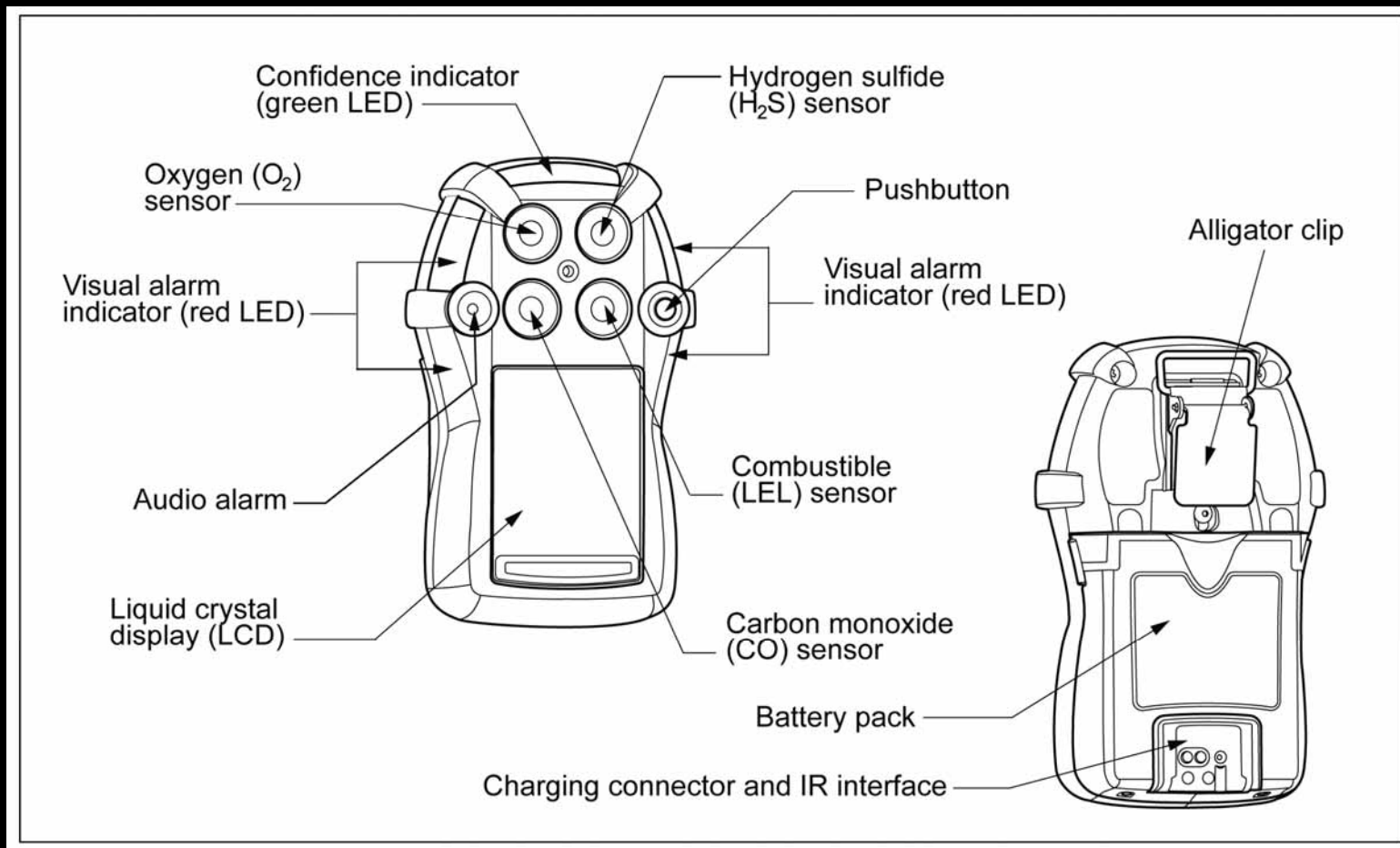
Reflex[®] Keeps You Safer

Oscilloscope graph shows cell responding to Reflex pulse, indicating sensor condition.

GREEN shows optimal sensor condition (dynamic responsiveness to gas).

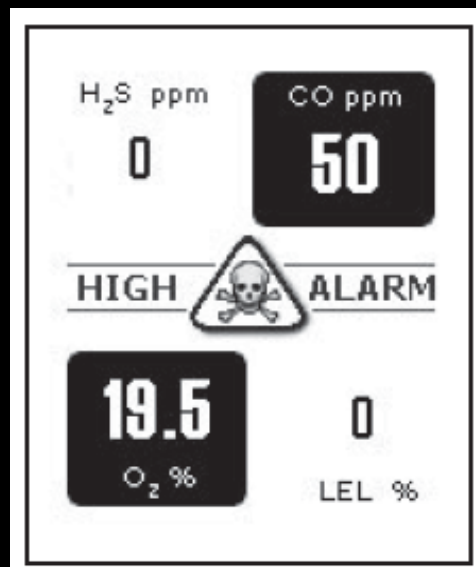
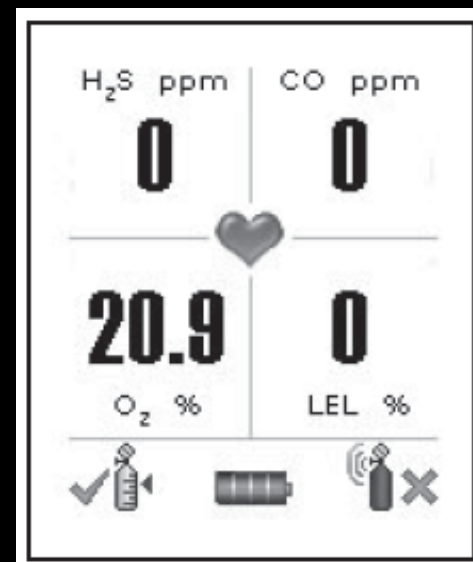
RED shows degraded sensor condition (indicating cell dry-out or failure).



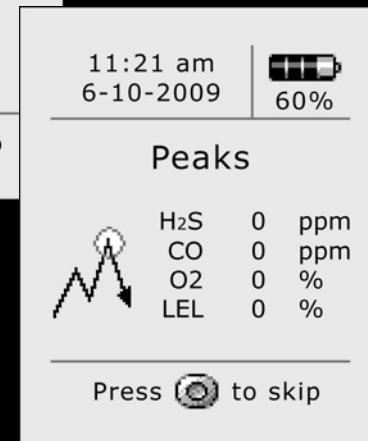
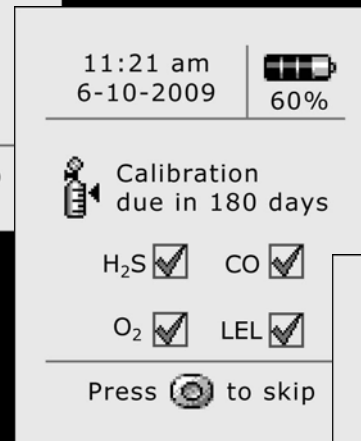
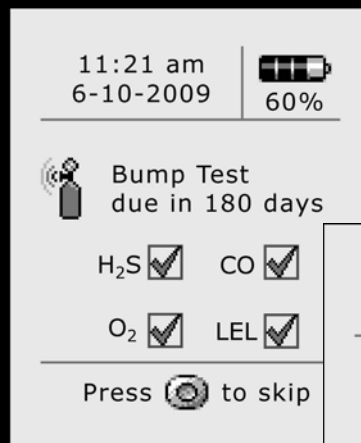


	Battery - full charge		Displays when there is a warning, failure, error, or low battery.		Pushbutton displays when screen provides an option to end or continue.
	Battery - half charge		Displays for STEL and TWA alarms and setpoints.		Displays during calibration and when startup is complete.
	Low battery warning		Reading displays with white background during normal operation.		Heartbeat pulses continually during normal operation to verify the detector is operating correctly.
	Critical low battery. Detector deactivates.		Reading displays with black background for startup setpoints and when the sensor is in alarm.		Displays when the detector is connected to an IR device (IR Link or the MicroDock II station).
	Indicates pass for startup, sensors, calibrations, and bump tests.		Calibration gas cylinder		Indicates detector is in queue and waiting to charge.
	Indicates fail for startup, sensors, calibrations, and bump tests.		Bump test gas cylinder		Displays when the Stealth option is enabled.
	Displays when the detector is in alarm (not applicable to TWA and STEL).		Displays when the IR Lock option is enabled.		Data transfer is in progress.

- Extra Large full function LCD display
- Same heart icon as MaxXT
- Personalized message on start-up
- Bump and Calibration Icons for easy auditing.
- Can be configured to have LCD Flip 180 Degrees
- Backlight automatically activated in alarm condition; in low light environment (can be disabled) or, on demand



- Extra dashboard type info at the double press of a button for instrument Bump, calibration and alarm peak status.



- To turn detector on, press and hold the button
- To turn detector off, press and hold the button until the OFF countdown is complete and the LCD turns off
- To view the info screen, TWA, STEL, and MAX hold readings, press the button twice. To clear the TWA, STEL, and MAX readings, press the button when the LCD displays RESET
- Continue to press button following deactivation to access calibration mode
- To activate the backlight, press the button
- To acknowledge latched alarms, press the button

Gases & Measuring Ranges

<u>Gases</u>	<u>Standard Measuring Range</u>	<u>Increments</u>
■ Hydrogen sulfide	0-200 ppm H ₂ S	0.1 ppm
■ Carbon monoxide	0-1000 ppm CO	1 ppm
■ Oxygen	0-30.0 % O ₂	0.1 %
■ Combustible gases	0-100% LEL	1.0% LEL
■ Methane	0-5% / Vol. CH ₄	0.1% CH ₄

- No Access to the USER OPTIONS through the Button on the instrument
- User Options can be accessed through a PC connection cable or the MicroDock II



Option	Description	Setting	Factory Default
Alarm set points	User settable alarm setpoint values	Varies by gas hazard	Varies by gas hazard
Calibration interval	Display advises time left until next calibration is due	Selectable between 1 to 365 (0 = off)	180
Language	The display will present data in selected language	English French German Spanish Portuguese	English
Automatic zero of H ₂ S, CO, LEL, O ₂	All sensors can be set to auto 0 baseline, 20.9 for O ₂ at startup	Enable disable	Oxygen sensor zero

Option	Description	Setting	Factory Default
Confidence / Compliance Beep	Quattro will emit an audible beep every 1 seconds. Disables when product is out of compliance or not operating correctly.	Enable disable settable interval 1 to 120 seconds	Not activated
Confidence / Compliance Flash “Inteliflash”	Quattro confidence green LED will flash every 1 second. Disables when product is out of compliance or not operating correctly.	interval 1 to 120 seconds	Always Activated. Cannot be deactivated.

Option	Description	Setting	Factory Default
Force calibration ¹	Prevents use of detector until calibration is performed ¹	Enable disable	Not activated
Cal IR Lock ¹	Prevents use of detector until calibration is performed; calibration function can only be accessed using connectivity kit and software ¹	Enable disable	Not activated
	¹ Force cal and Cal IR lock cannot be activated simultaneously		

Option	Description	Setting	Factory Default
Latching alarms	Alarms can only be silenced by pushing blue button once alarm generating atmosphere has been cleared	Enable disable	Not activated
Safe mode	In non-alarm operation the detector displays only the word "SAFE"; real-time response is activated in the event an alarm is activated	Enable disable	Not activated
Sensor enable	Installed sensors can be turned on/off	Sensor on sensor off	All installed sensors are on

Option	Description	Setting	Factory Default
Span gas setting	User settable calibration gas concentration values	Span setting must be within range of sensor	Varies by detector configuration
STEL measurement period	Adjustable STEL calculation interval	5 to 15	15
TWA measurement period	Adjustable TWA calculation interval	4 to 16	8

Option	Description	Setting	Factory Default
Bump interval	Define number of days next bump test is due	0 to 365	Not activated
Lockout on Self-Test Error	In the event a sensor fails start up self test detector displays Safety Lock On and deactivates	Enable disable	Not activated
Force Bump	A bump test must be performed prior to use, frequency user defined	Enable disable (Bump interval can be set between 1 and 365)	Not activated

Option	Description	Setting	Factory Default
Datalog interval	Defines frequency of how often detector records readings	1 to 120	5
LEL by volume CH ₄	Enable combustible measurement to display in 0 to 5% v/v CH ₄	Enable disabled reads % LEL	% LEL
10% LEL overspan	Overspans LEL calibration by 10% to enable meeting CSA bump test criteria	Enable disable	Not activated
20.8% O ₂ baseline	Detector uses 20.8% v/v as ambient O ₂ concentration	Enable disable	Not activated

Option	Description	Setting	Factory Default
Correction factor	Allows user to enter a numerical correction factor for hydrocarbons other than CH ₄ ; factor is only useful if detector is calibrated with CH ₄		1.0
Low alarm acknowledge	Audible alarm can be disabled by pressing blue button; vibrating, LEDs and LCD remain operational; toxic and LEL sensors only	Enable disable	Not activated

Default Alarm Set points

Gas	TWA	STEL	Low	High
CO	35 ppm	50 ppm	35 ppm	200 ppm
H ₂ S	10 ppm	15 ppm	10 ppm	15 ppm
O ₂	N/A	N/A	19.5%	23.5%
Combustible Gases	N/A	N/A	10% LEL	20% LEL

Standard unit includes:

- Monitor as specified
- Sensors as specified
- Calibration adaptor and hose
- User Manual
- Technical Manual and Technical Documentation CD, screwdriver
- Power cord for specified region if ordered as rechargeable
- Alkaline tray with 3 AA Alkaline if ordered as Alkaline
- Screw Driver for battery screw and Routine Maintenance



Connectivity kit includes:

- USB to IR configuration cable
- Quick reference guide
- Fleet Manager II CD
- New cable for Quattro, MCLip & MaxXT
- Dongle end is now Blue



Confined space kits are available in two configurations:

- 1. Deluxe Confined Space Kit**
- 2. Standard Confined Space Kit**

- **The Confined Space Kit must be ordered as a separate line item, and not part of the instrument order number**
- **Gas bottle for the Confined Space Kit must be ordered as separate line item and not part of the kit or instrument**

The Deluxe Confined Space Kit includes:

1. Carrying Case
2. Die-cut foam and lid insert
3. Carrying Holster
4. IR Connectivity Kit
5. Standard 0.5 L regulator
6. Calibration tubing and connectors
7. Space for one 34 L gas bottle
8. External Filter / LCD protector
9. Manual Aspirator kit
10. Sample Probe with spare filters



**The Standard Confined Space
Kit includes:**

- 1. Carrying case**
- 2. Die-cut foam and lid insert**
- 3. Space for one 34 L gas bottle**

**Other accessories can be
ordered as individual line
items**

- Concussion-proof boot available for added protection



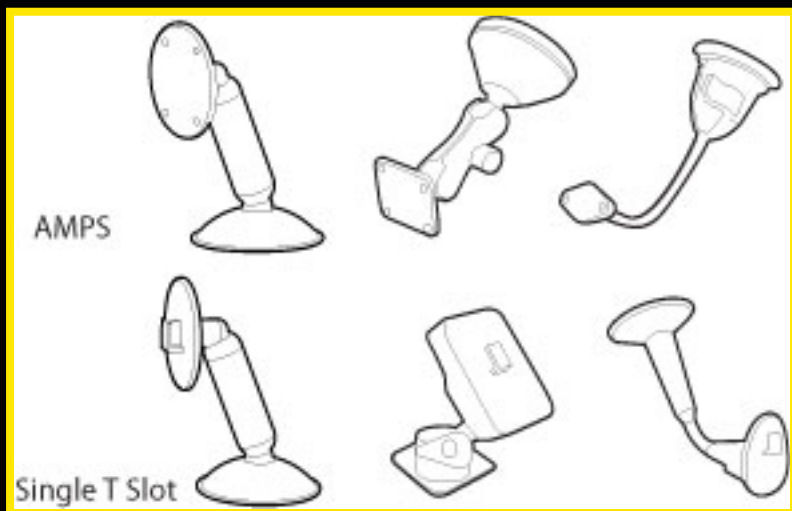
- Case with Black Berry style attachment
- Clear front cover for LCD screen protection
- Case can rotated 360 degrees for the best orientation and the workers best mobility.
- Can be used with External Filter / LCD protector



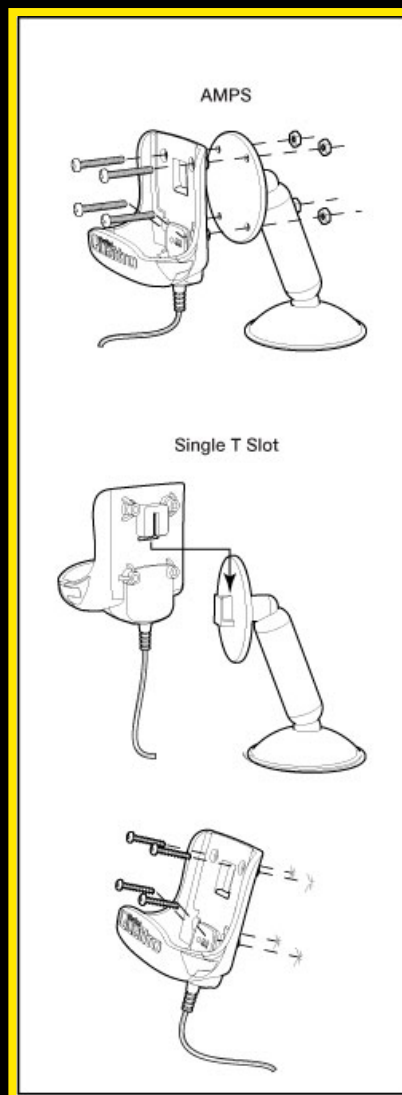
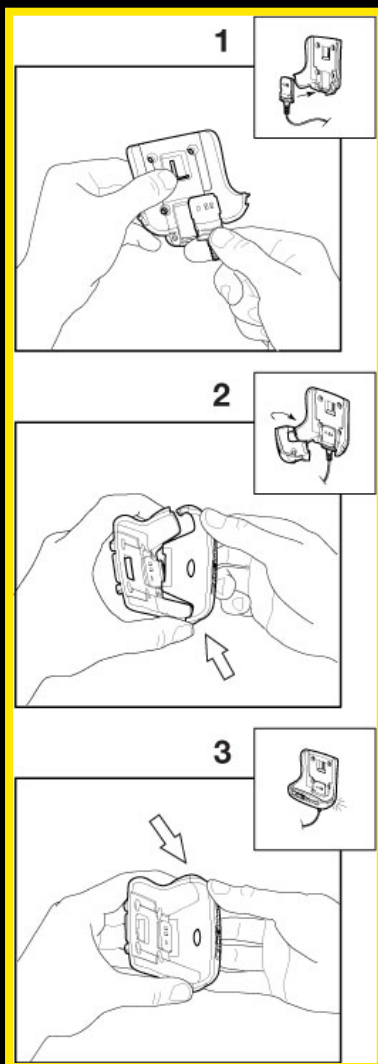
- External filter with LCD protector
- Excellent for dirty environments.
- External Filter attachment with 5 filters in pack



- Vehicle Attachment
- Third party company to supply vehicle connection
- Ram Mount, Pro Fit, Arkon



Vehicle Holder Assembly



- There are 2 battery options for the Quattro
 - Alkaline with 3 AA batteries
 - Rechargeable Lithium
- The Quattro uses the same charger as the MicroClip and MaxXT
- Rechargeable batteries can be recharged separately, in the 5 bay charger and in the MicroDock 2 Module. Green LED indicates charge.
- A completely depleted battery charge in 6 hrs.
- Minimum runtime over 20 hours at 20C (68F)
- Minimum runtime 18 hours at - 20C (-4F)



2 vehicle charging kits available:

- **12 VDC with CLA vehicle adaptor**
- **12-24VDC adaptor with leads that can be hard-wired into vehicles**
- **Same kits as GasAlertMicrClip and GasAlertMax XT**

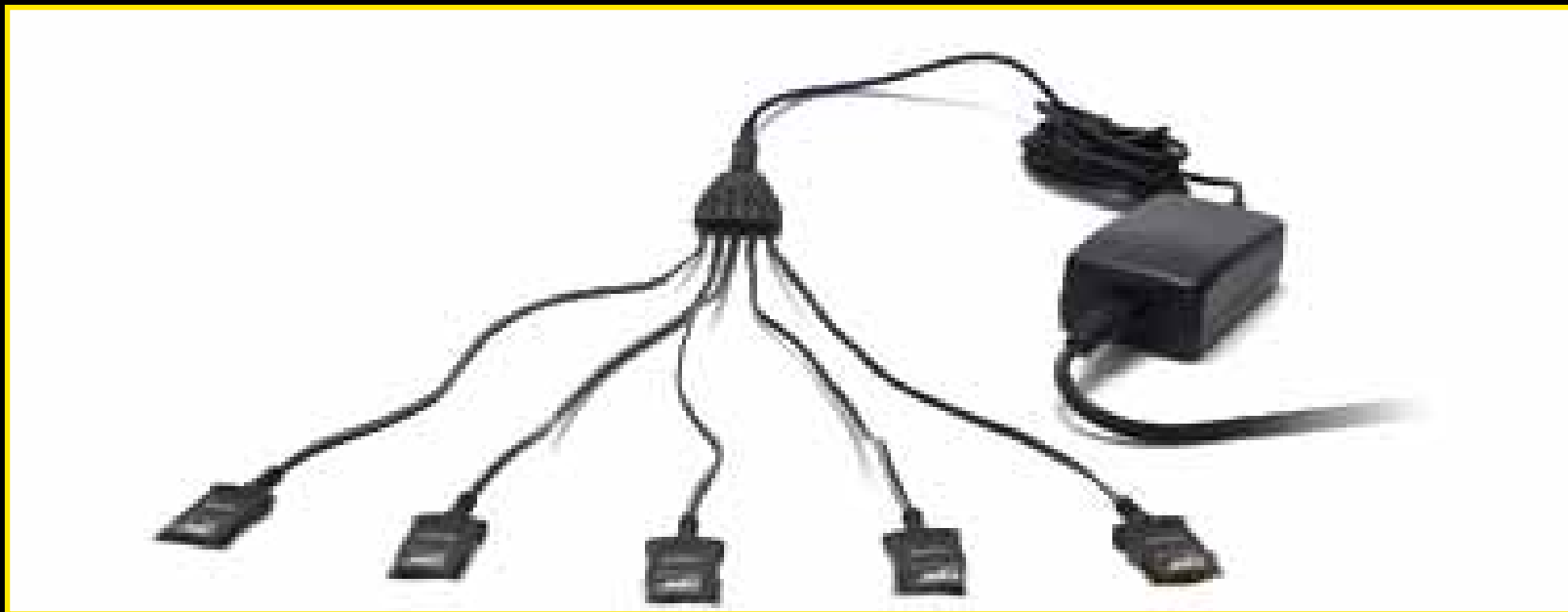


Quattro multi-unit cradle charger includes:

- 5 Charger bays for detector or batteries separately.
- Wall-mount kit
- Comes with regional power connections
- Optional 12 VDC / 24 VDC power cord



Multi-Unit Power Adaptor

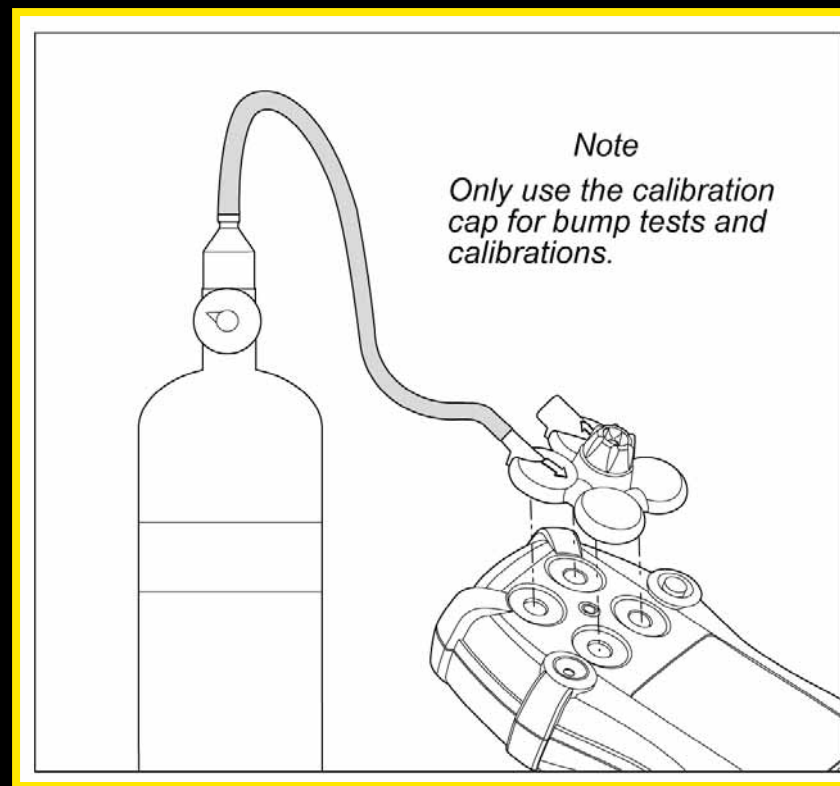


Simultaneously charge up to 5 detectors

Bump test confirms sensor response to gas.

Apply gas that exceeds low alarm setpoint of sensors installed.

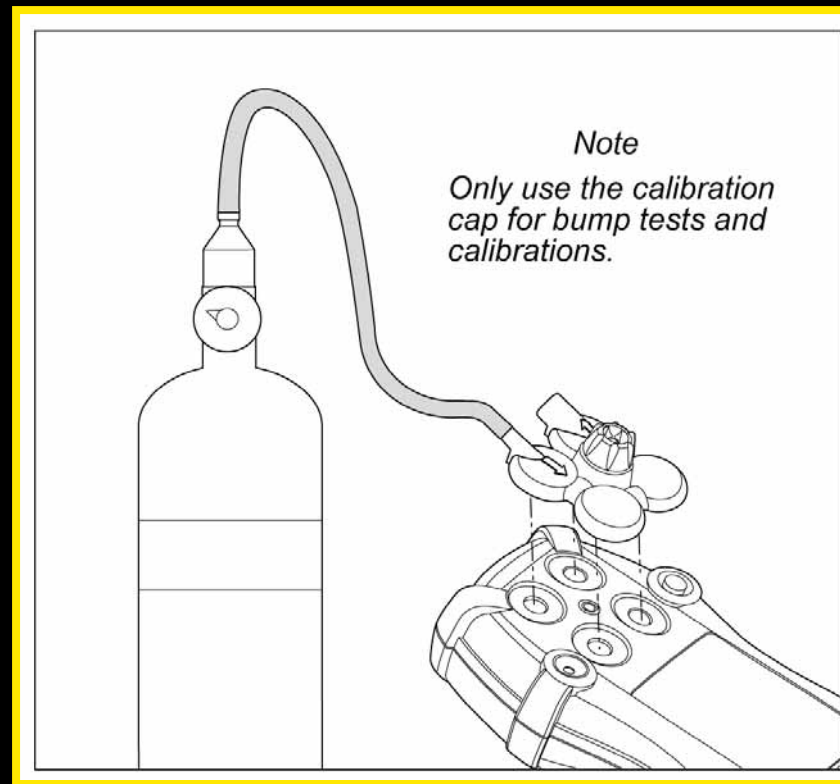
CSA must meet 100% of LEL gas applied.



1. Put instrument into Cal Mode.
2. Auto zero
3. Open gas supply
4. Auto span
5. Apply gas
6. Remove gas
7. Cal Due in days displayed
8. End of calibration



- To access calibration mode hold the button down for 7 seconds after deactivating detector. Display will begin to count up entry into calibration mode. It will then zero taking in fresh air and finally it will prompt for calibration at that point apply 2.5% CH₄, 25ppm H₂S, 100ppm CO and 18% O₂
- Sensor response time is tested during calibration; if the sensor does not respond fast enough it will fail at the end of calibration
- Note that the O₂ sensor is now calibrated against ambient during auto zero, and is verified to a lower concentration (18%) during sensor calibration



Use Fleet Manager II to access the following:

1. User options
2. Download datalogged files
3. Download event log files
4. Upgrade firmware
5. Set up personalized start up message

- The most current Fleet Manager II software will be available for launch
- To log in as Administrator the password is “Admin”
- To configure Quattro select “Configure Device VIA IR LINK” under Devices



- All modules are charging
- Event log transmits during any test. Data log transfers via button press or automatically if selected in Fleet Manager¹
- MicroDock II system can support a maximum of 6 charging modules



¹ MMC can download 10 datalog files and then will begin to overwrite. To protect against loss of data users must remember to periodically download MMC to Fleet Manager II, or download using IR Connectivity Kit directly to Fleet Manager II

- QT-XWHM-A-Y-NA
- QT reflects the name of the detector.
- Gas codes represented: X= oxygen, W= Combustibles, H= H₂S, M= CO
- A represents Alkaline R represents Rechargeable
- Y represents Yellow and B represents Black
- NA represents the regional variation code, where:
 - EU = Europe, UK = United Kingdom, NA = North America, AU = Australia, CN = China/New Zealand, OR = other region with 3-pin UK plug , OE = Other region with 2-pin EU plug
- The regional variation code determines which calibration gas to use as well as what specific country alarm setpoints to use.

■ Alkaline

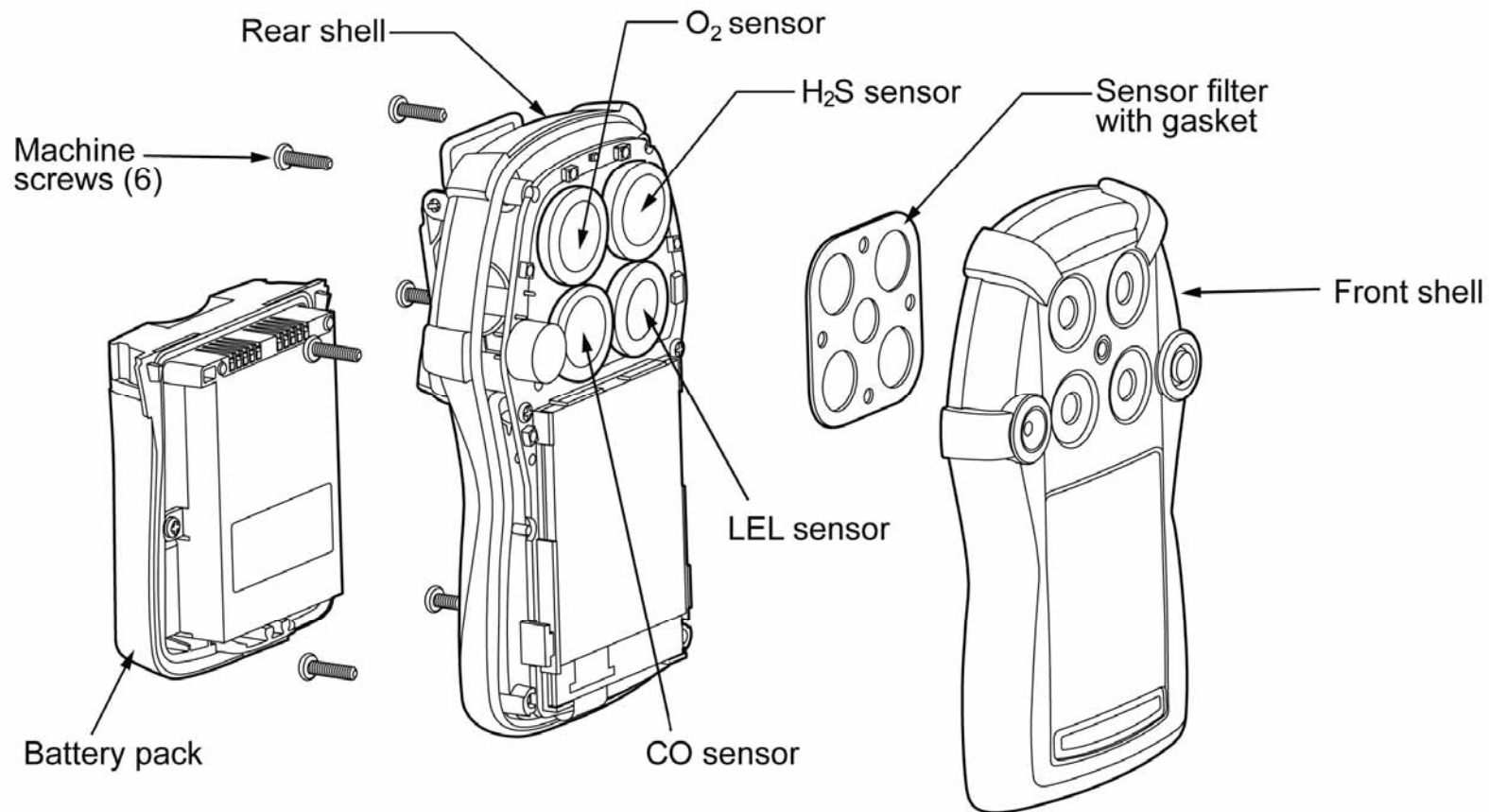
Order Number ▼	Item Description	CAD\$	USD\$	GBP	EURO
QT-XWHM-A-Y-AU	GasAlertQuattro 02/LEL/H2S/CO, AU version	\$695.00	\$695.00	£395.00	€ 560.00
QT-XWHM-A-Y-CN	GasAlertQuattro 02/LEL/H2S/CO, Chinese version	\$695.00	\$695.00	£395.00	€ 560.00
QT-XWHM-A-Y-EU	GasAlertQuattro 02/LEL/H2S/CO, EU version	\$695.00	\$695.00	£395.00	€ 560.00
QT-XWHM-A-Y-NA	GasAlertQuattro 02/LEL/H2S/CO NA version	\$695.00	\$695.00	£395.00	€ 560.00
QT-XWHM-A-Y-OE	GasAlertQuattro 02/LEL/H2S/CO, OE version	\$695.00	\$695.00	£395.00	€ 560.00
QT-XWHM-A-Y-OR	GasAlertQuattro 02/LEL/H2S/CO, OR version	\$695.00	\$695.00	£395.00	€ 560.00
QT-XWHM-A-Y-UK	GasAlertQuattro 02/LEL/H2S/CO, UK version	\$695.00	\$695.00	£395.00	€ 560.00
QT-XWHM-A-B-AU	GasAlertQuattro 02/LEL/H2S/CO, AU version. Black	\$695.00	\$695.00	£395.00	€ 560.00
QT-XWHM-A-B-CN	GasAlertQuattro 02/LEL/H2S/CO, Chinese version. Black	\$695.00	\$695.00	£395.00	€ 560.00
QT-XWHM-A-B-EU	GasAlertQuattro 02/LEL/H2S/CO, EU version. Black	\$695.00	\$695.00	£395.00	€ 560.00
QT-XWHM-A-B-NA	GasAlertQuattro 02/LEL/H2S/CO NA version. Black	\$695.00	\$695.00	£395.00	€ 560.00
QT-XWHM-A-B-OE	GasAlertQuattro 02/LEL/H2S/CO, OE version. Black	\$695.00	\$695.00	£395.00	€ 560.00
QT-XWHM-A-B-OR	GasAlertQuattro 02/LEL/H2S/CO, OR version. Black	\$695.00	\$695.00	£395.00	€ 560.00
QT-XWHM-A-B-UK	GasAlertQuattro 02/LEL/H2S/CO, UK version. Black	\$695.00	\$695.00	£395.00	€ 560.00

■ Rechargeable

Order Number ▼	Item Description	CAD\$	USD\$	GBP	EURO
QT-XWHM-R-Y-AU	GasAlertQuattro 02/LEL/H2S/CO, AU version	\$745.00	\$745.00	£445.00	€ 620.00
QT-XWHM-R-Y-CN	GasAlertQuattro 02/LEL/H2S/CO, Chinese version	\$745.00	\$745.00	£445.00	€ 620.00
QT-XWHM-R-Y-EU	GasAlertQuattro 02/LEL/H2S/CO, EU version	\$745.00	\$745.00	£445.00	€ 620.00
QT-XWHM-R-Y-NA	GasAlertQuattro 02/LEL/H2S/CO NA version	\$745.00	\$745.00	£445.00	€ 620.00
QT-XWHM-R-Y-OE	GasAlertQuattro 02/LEL/H2S/CO, OE version	\$745.00	\$745.00	£445.00	€ 620.00
QT-XWHM-R-Y-OR	GasAlertQuattro 02/LEL/H2S/CO, OR version	\$745.00	\$745.00	£445.00	€ 620.00
QT-XWHM-R-Y-UK	GasAlertQuattro 02/LEL/H2S/CO, UK version	\$745.00	\$745.00	£445.00	€ 620.00
QT-XWHM-R-B-AU	GasAlertQuattro 02/LEL/H2S/CO, AU version. Black	\$745.00	\$745.00	£445.00	€ 620.00
QT-XWHM-R-B-CN	GasAlertQuattro 02/LEL/H2S/CO, Chinese version. Black	\$745.00	\$745.00	£445.00	€ 620.00
QT-XWHM-R-B-EU	GasAlertQuattro 02/LEL/H2S/CO, EU version. Black	\$745.00	\$745.00	£445.00	€ 620.00
QT-XWHM-R-B-NA	GasAlertQuattro 02/LEL/H2S/CO NA version. Black	\$745.00	\$745.00	£445.00	€ 620.00
QT-XWHM-R-B-OE	GasAlertQuattro 02/LEL/H2S/CO, OE version. Black	\$745.00	\$745.00	£445.00	€ 620.00
QT-XWHM-R-B-OR	GasAlertQuattro 02/LEL/H2S/CO, OR version. Black	\$745.00	\$745.00	£445.00	€ 620.00
QT-XWHM-R-B-UK	GasAlertQuattro 02/LEL/H2S/CO, UK version. Black	\$745.00	\$745.00	£445.00	€ 620.00

Order Number ▼	Item Description ▼	CAD\$ ▼	USD\$ ▼	GBP ▼	EURO ▼
QT-C01-MC5	Multi-unit Charger (5) Cradle Charger for GasAlertQuattro	\$225.00	\$225.00	£145.00	€ 195.00
GA-PA-1-MC5	GasAlertMicroClip 5 Unit Charging Assembly	\$100.00	\$75.00	£50.00	€ 75.00
QT-VMB-1	Vehicle Adapter for GasAlertQuattro	\$20.00	\$20.00	£14.00	€ 20.00
GA-PA-3	Power Adapter - 12/24 VDC w 5.9ft (1.8m) cord	\$42.00	\$35.00	£15.00	€ 30.00
GA-PA-1	GasAlertMicroClip Power Adapter	\$12.00	\$10.00	£8.00	€ 10.00
GA-PA-1-AU	GasAlertMicroClip Power Adapter, AU version	\$12.00	\$10.00	£8.00	€ 10.00
GA-PA-1-EU	GasAlertMicroClip Power Adapter, EU version	\$12.00	\$10.00	£8.00	€ 10.00
GA-PA-1-UK	GasAlertMicroClip Power Adapter, UK version	\$12.00	\$10.00	£8.00	€ 10.00
QT-AF-K1	GasAlertQuattro Auxiliary Filter with LCD Protector c/w 5 Replacement filters	\$35.00	\$35.00	£22.00	€ 30.00
QT-SS-AF-K1	GasAlertQuattro External Filter (Kit of 10)	\$50.00	\$50.00	£32.00	€ 40.00
GA-USB1-IR	GasAlert Series IR Connectivity Kit	\$80.00	\$70.00	£40.00	€ 60.00
QT-AS01	Manual Aspirator Pump Kit	\$80.00	\$80.00	£50.00	€ 75.00
QT-BAT-A01	GasAlertQuattro, Alkaline Battery Pack, Yellow	\$50.00	\$50.00	£32.00	€ 50.00
QT-BAT-R01	GasAlertQuattro, Li-Pol Battery Pack, Yellow	\$95.00	\$95.00	£61.00	€ 85.00
QT-BAT-A01B	GasAlertQuattro, Alkaline Battery Pack, Black	\$50.00	\$50.00	£32.00	€ 50.00
QT-BAT-R01B	GasAlertQuattro, Li-Pol Battery Pack, Black	\$95.00	\$95.00	£61.00	€ 85.00
QT-CK-CC	GasAlertQuattro Confined Space Kit w/o instrument	\$195.00	\$195.00	£120.00	€ 135.00
QT-CK-DL	GasAlertQuattro Deluxe Confined Space Kit w/o instrument w/ accessories	\$625.00	\$625.00	£385.00	€ 485.00
GA-BQT	GasAlertQuattro Rubber Boot	\$35.00	\$35.00	£22.00	€ 30.00
GA-HQT	GasAlertQuattro Carrying Holster	\$30.00	\$30.00	£18.00	€ 25.00
DOCK2-0-1N-00-N	GasAlertQuattro Charging Module without Universal Power supply	\$700.00	\$500.00	£400.00	€ 500.00
DOCK2-0-1C1N-00-N	GasAlertQuattro Charging Module with Universal power supply	\$770.00	\$550.00	£430.00	€ 550.00
DOCK2-2-1C1N-00-N	MicroDock II - 2 inlets w/1x GAQT mod. Universal Power supply	\$2,065.00	\$1,545.00	£1,225.00	€ 1,445.00
GA-NS-1	Kit - Boot Neck Strap, GasAlert Series single gas detector versions	\$15.00	\$10.00	£7.00	€ 10.00
GA-ES-1	Extension Strap	\$37.00	\$35.00	£17.00	€ 30.00
GA-ARM-1	GasAlert Series Arm Band	\$40.00	\$35.00	£20.00	€ 30.00
GA-CH-2	Chest Harness	\$65.00	\$45.00	£30.00	€ 45.00

Order Number	Item Description	CAD\$	USD\$	GBP	EURO
QT-SS	GasAlertQuattro Replacement Quad Sensor Screen Filters, kit of 2	\$15.00	\$15.00	£10.00	€ 12.00
QT-SS-K1	GasAlertQuattro Replacement Quad Sensor Screen Filters, kit of 10	\$75.00	\$75.00	£50.00	€ 55.00
QT-BC1	Replacement back enclosure (yellow) for GasAlertQuattro w/aligator clip	\$20.00	\$20.00	£12.00	€ 15.00
QT-BC1B	Replacement back enclosure (black) for GasAlertQuattro w/aligator clip	\$20.00	\$20.00	£12.00	€ 15.00
QT-FC1	Replacement front enclosure (yellow) for GasAlertQuattro w/ sensor screen filter	\$20.00	\$20.00	£12.00	€ 15.00
QT-FC1B	Replacement front enclosure (black) for GasAlertQuattro w/ sensor screen filter	\$20.00	\$20.00	£12.00	€ 15.00
XT-AG-1	Replacement Alligator Clip, Stainless steel with screw.	\$25.00	\$20.00	£12.00	€ 15.00
QT-LCD-K1	Replacement LCD kit for GasAlertQuattro	\$30.00	\$30.00	£16.00	€ 30.00
QT-MPCB1	Replacement Main PCB for GasAlertQuattro	\$150.00	\$150.00	£100.00	€ 130.00
QT-SPCB1	Replacement Sensor PCB for GasAlertQuattro	\$90.00	\$90.00	£60.00	€ 75.00
QT-SCREW-K1	Replacement GasAlertQuattro Screw kit (40 screws)	\$10.00	\$10.00	£6.00	€ 10.00
QT-SL-K1	Replacement GasAlertQuattro sensor locator	\$5.00	\$5.00	£3.00	€ 5.00
SR-H04-SC	Replacement Hydrogen Sulfide (H ₂ S), SureCell H ₂ S (M), 4 series	\$140.00	\$140.00	£100.00	€ 125.00
PS-RM04	Replacement carbon monoxide (CO) sensor	\$275.00	\$200.00	£130.00	€ 150.00
SR-X10-C1	Replacement oxygen (O ₂) sensor	\$180.00	\$135.00	£87.00	€ 125.00
SR-W04-75C	Replacement combustible sensor with heavy duty silicone filter	\$170.00	\$170.00	£115.00	€ 150.00
SR-DUMM1	Replacement Sensor - Dummy 3-pin O ₂ or 3-pin TWINTOX	\$35.00	\$25.00	£18.00	€ 25.00
SR-DUMM2	Dummy sensor for LEL location	\$35.00	\$25.00	£18.00	€ 25.00
GA-VM-2	Replacement Vibrating Motor for GasAlertQuattro	\$10.00	\$10.00	£5.00	€ 8.00
QT-TC-1	GasAlertQuattro test cap and hose (0.3 m/1 ft.)	\$10.00	\$10.00	£6.00	€ 10.00



Alkaline Battery Replacement

Note

The retaining screw (QAQD-20x) provided with the detector must be used to lock the battery pack on all European and IECEx scheme detectors, and on all Canadian and U.S. Zone Certified detectors. A hex tool is required to remove and replace the retaining screw.

QAQD-20x

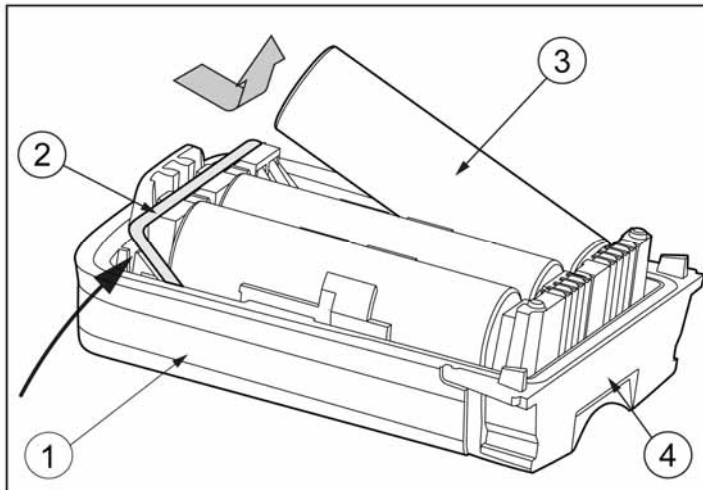
x 1

Battery
release latch

Battery
pack

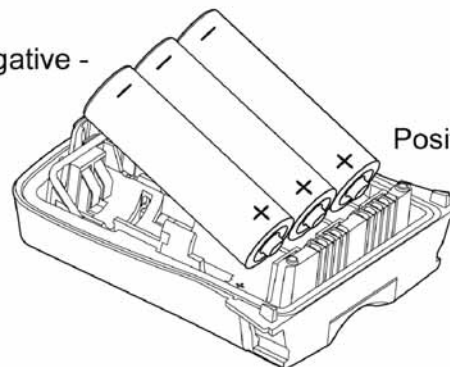
Hex
tool

Retaining
screw



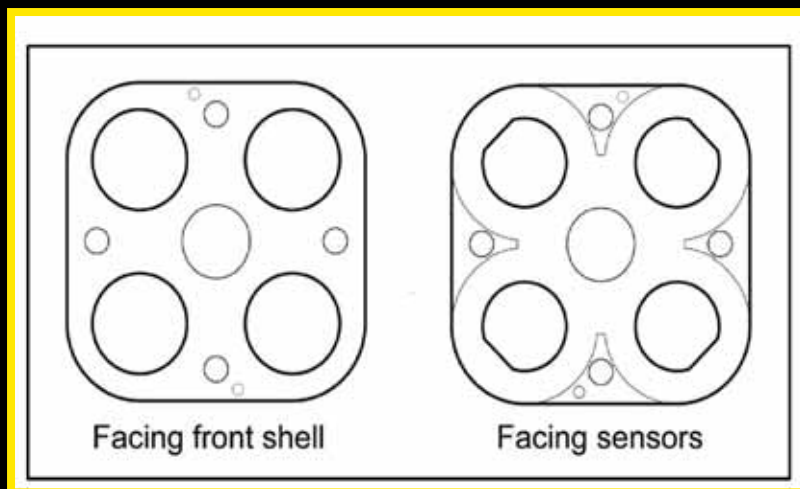
Negative -

Positive +



Sensor Filter Replacement

- Confirm proper orientation when replacing sensor filter



- **Primary approvals required for product release:**
 - *International by IECEx with a product rating of Ga Ex ia IIC T4 2*
 - *Canada/US intrinsically safe with a product rating of Class I Div. 1 Group A, B, C, D*
 - *Europe: CE Declared to ATEX Directive and EMC Directive. Classification CE Ex II 1 G Ga Ex ia IIC T4 for Zone 0 Group IIC*
 - *Inmetro*
- **Secondary approvals after product release**
 - *IECEx combustible gas performance standard for surface atmospheres in % LEL for Germany*
 - *EN oxygen performance standard for Germany*
 - *Cargo vessel approval (ABS)*
 - *MSHA*

- **Launch Package**
 - **DVD Case launch package**
 - 3D product intro and training CD
 - Product data and Bid Spec sheet
 - Product accessory data sheet
 - Ordering and pricing sheet
 - Call to action card for promotion
 - Launch Booklet
- **Web Launch**
- **Tradeshows introduction**
 - Product Launch at NSC
- **Trade publications advertising**
- **Demo Equipment**
 - Sales Team and Channel Partners Demo Equipment
- **Product Training**
 - Sales Team and Channel Partners product training
- **Build confidence with Sales team & Channel Partners**
- **Quattro selling Tool Kit for internal sales team**
- **Honeywell business advantage quick reference card for team**

- **Recorded sales presentation**
 - Explores new differentiators and Value proposition
 - Reinforces quality message
- **Sales Guide**
 - Short, slick presentation creating buzz about GasAlertQuattro
 - Elevator speech
 - Value based
- **E-mail including link to sales training video and Sales Guide**
 - Distributors can easily forward to customers
- **Catalogue write-up**
- **Press kit**
 - Introduces GasAlertQuattro
 - Accurate media coverage
 - More exposure for story ideas
 - Control information
- **Distributor newsletter**

Proper and reliable gas detection

The GasAlert Quattro multi-gas detector provides accurate, reliable gas detection for a wide range of applications. It features a large, high-contrast LCD screen that displays gas levels, alarms, and battery status. The device is designed for rugged use in industrial environments, with a durable, weather-resistant housing and a long-life battery.

Rugged design

The GasAlert Quattro is built to withstand harsh conditions, including extreme temperatures, moisture, and physical impacts. It features a rugged, IP67-rated enclosure that protects the internal components from dust and water. The device is also designed for easy maintenance, with a removable battery and a replaceable filter.

Power options that suit your style

The GasAlert Quattro offers a variety of power options to suit your needs. It can be powered by a standard AA battery or a rechargeable battery pack. The device also features a low-power mode that extends battery life when not in use.

Stable operation, dependable results

The GasAlert Quattro provides stable, accurate readings for a wide range of gases. It features a built-in calibration system that ensures accurate readings over time. The device also features a self-diagnostic system that checks the internal components for faults and alerts you if a problem is detected.

Simple operation and easy compliance

The GasAlert Quattro is easy to use and simple to operate. It features a large, high-contrast LCD screen that displays gas levels, alarms, and battery status. The device is also designed for easy compliance with industry standards, with a built-in calibration system and a self-diagnostic system.

Wear yellow. Work safe.

Visual alerting, easy compliance

The GasAlert Quattro multi-gas detector provides visual alerting and easy compliance with industry standards. It features a large, high-contrast LCD screen that displays gas levels, alarms, and battery status. The device is also designed for easy compliance with industry standards, with a built-in calibration system and a self-diagnostic system.

Wear yellow. Work safe.

GasAlert Quattro

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Order Sheet

Place the GasAlert Quattro multi-gas detector in your order today. It features a large, high-contrast LCD screen that displays gas levels, alarms, and battery status. The device is also designed for easy compliance with industry standards, with a built-in calibration system and a self-diagnostic system.

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seeing is believing

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Wear yellow. Work safe.

- **Sept 25 & 28 2009:** **AMERICAS inside/outside sales team web seminar**
- **Oct 11th 2009:** **All launch material to be in house and ready to ship**
- **Oct 19th 2009:** **Gate 5 Global PAC Review**
- **Oct 20th 2009:** **DTM meeting (marketing)**
- **Oct 21st 2009:** **Demo Equipment to sales team**
- **Oct 26th 2009:** **ECO to release product to sales / shipment**
- **Oct 26th 2009:** **ECO to release all parts**
- **Oct 26th 2009:** **Active Order Entry**
- **Oct 26th 2009:** **Product launch at National Safety Conference**
- **October 26th 2009:** **Mail out Launch Packages**
- **October 26th 2009:** **Email broadcast of soft launch materials**
- **October 26th 2009:** **Web launch**
- **October 26th 2009:** **Advertising in trade publications.**
- **Nov 3 & 4 2009:** **Canadian open house**
- **November 2009:** **Continued Distributor training**

Open forum: Questions?



The logo is contained within a yellow oval with a black border and a 3D effect. The text "BW Technologies" is in a large, bold, black sans-serif font. The "B" and "W" are stylized, with the "B" having a thick, rounded vertical stroke and the "W" having a sharp, angular design. Below "BW Technologies" is the text "by Honeywell" in a smaller, black, sans-serif font.

BW Technologies
by Honeywell