

WHO WE ARE



Gas & Flame Detection, Supplied And Supported Locally By HMA Group

HMA Group is the authorised representative for RC Systems, a Det-Tronics company, across Australia, New Zealand, Indonesia, South Africa and PNG.

RC Systems has designed and manufactured gas detection equipment since 1979— from single-point toxic gas detectors to fully integrated multi-channel alarm systems. HMA backs that engineering with local stock, application support, commissioning and calibration, so you get a proven product and a local team who knows it.

APPLICATION FIELDS

- Leak Detection
- Personnel Protection
- Hazard Prevention
- Near-Process Measurement
- Emission Monitoring

INDUSTRIES SERVED

- Water Treatment
- Food & Beverage
- Oil & Gas
- Petrochemical
- Heavy & Metal
- Mining & Tunnelling
- Pharmaceutical
- Power Generation & Supply
- Shipping
- General Industry and more

45+ YEARS IN GAS DETECTION

ISO 9001:2015 CERTIFIED CSA CERTIFIED CLASS 1, DIV 1 & 2
LOCAL HMA STOCK, SERVICE & CALIBRATION
IECEX COMING SOON

A SENSOR FOR EVERY TARGET GAS



RC Systems' detectors use electrochemical (EC) sensors for toxic gases and oxygen, and catalytic bead or infrared sensors for combustibles

Covering the gases below as standard, with custom target-gas configurations available on request.

PRODUCT RANGE

Toxic & Oxygen (electrochemical sensor)

Ammonia, Arsine, Bromine, Carbon Disulfide, Carbon Monoxide, Chlorine, Chlorine Dioxide, Ethylene Oxide, Fluorine, Hydrogen, Hydrogen Chloride, Hydrogen Cyanide, Hydrogen Fluoride, Hydrogen Peroxide, Hydrogen Sulfide, Methanol, Nitric Oxide, Nitrogen Dioxide, Oxygen, Ozone, Phosphine, Silane, Sulfur Dioxide, VOCs

Combustible (catalytic bead & infrared sensor)

Acetylene, Acetone, Ammonia, Butane, Ethane, Ethanol, Ethylene, Ethylene Oxide, Gasoline, Heptane, Hexane, Hydrogen (catalytic bead only), Isopropyl Alcohol, Methane, Methanol, Pentane, Propane, Propylene, Refrigerants, Styrene, Vinyl Chloride

Also available

Carbon Dioxide (dedicated infrared sensor) and Photoionization (PID) detection for a broader range of VOCs – see full sensor guide for spans and response times.



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DETECTION AND CONTROL FOR EVERY APPLICATION



GAS DETECTORS

Series	What It Offers
SenSmart 1000	2-wire 4-20mA sensor transmitter; field-replaceable toxic/oxygen EC sensor module; Class 1, Div 1 & 2
SenSmart 2000	2-wire loop-powered detector; graphic trend display; explosion-proof & intrinsically safe; one-man calibration
SenSmart 3000	Universal 3-wire transmitter (EC, catalytic bead, IR, PID); dual smart sensor capable; CSA Class 1, Div 1
SenSmart 4000	2-wire loop-powered detector; GEN 2 smart sensor auto-recognition; magnetic wand calibration, no area declassification
SenSmart 5000	Universal 3-wire detector with Modbus; colour backlit display; remote sensor mount to 4,000 ft; Arctic option for extreme cold
SenSmart 6000	Universal transmitter with embedded Ethernet & Modbus TCP; dual smart sensor; QVGA colour display
SenSmart 7000	True wireless detector (EC + low-power IR); 900MHz/2.4GHz FHSS; 9-month battery life; >1 mile range
SenSmart 1300M/3300M/5300M/6300M	Infrared combustible detectors; virtually maintenance-free, no routine calibration, 5+ year sensor life; connect directly to SenSmart 3000/5000/6000/7000 for local display
SensePoint	Compact single-point detector for labs and commercial spaces; colour display, Modbus, audible + visual alarm

ALARM CONTROLLERS

Series	What It Offers
ViewSmart 200	2-channel controller; Modbus slave RS-485; non-metallic, steel, 316 SS or NEMA 7 explosion-proof enclosures
ViewSmart 400	4-channel controller; Modbus master/slave; wireless option; up to 8 discrete alarm relays
ViewSmart 1600 / 1600+	16-channel controller; the 1600+ adds Ethernet web server, daily/weekly email summaries and WaveNet wireless interface
ViewSmart 2150S / 2150	Single/dual-point standalone controller with large 1" LED display; for non-hazardous locations
ViewSmart 6400	64-channel controller; Ethernet/Modbus TCP; SD card data logging; rack, panel or large enclosure mount

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BEYOND THE STANDARD DETECTOR



WIRELESS SYSTEM

Series	What It Offers
SenSmart 7000	True wireless gas detector — see Page 3 for detail
WLR	32-channel wireless receiver; optional data logging, second Modbus port, Wi-Fi/Ethernet web server
WNR	Wireless relay; 5 programmable relays; repeats signal from detector to wireless control panel
WaveBridge R / M	Network bridge to link sub-networks and extend range; RS-485-to-wireless bi-directional converter
SST	Handheld site survey tool — scans and tests wireless network strength before and after install

ENGINEERED PRODUCTS & SOLUTIONS

Series	What It Offers
Rig Protector	Transportable 4-point perimeter monitoring kit; solar or battery powered; >1 mile wireless range
Alarm Bars / Stations	Two- and four-light alarm bars for general purpose and hazardous locations
ZoneProtector	All-in-one compact 4-gas detection and alarm unit; supports EC, catalytic bead, IR and PID sensors
SampleSmart XP / ASP	Sample-draw and aspirated systems; sample lines up to 300 ft; engineered for Class 1, Div 1 areas
Custom System Solutions	In-house engineering for PLC, HMI or SCADA integration, detailed wiring design and site commissioning

TALK TO HMA GROUP ABOUT YOUR GAS
DETECTION APPLICATION

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