Honeywell





Flexibility that meets your requirements

Sieger Apex



Easy to Install

- Sensor can be remotely mounted up to 100m from the transmitter
- On board relays allow for local audible/ visual alarms
- Strong integral 316 STST mounting bracket
- Large easy access cable entries
- Easy access terminal blocks
- Wide range of accessories

Easy to Use

- Intuitive menu operating system
- Clear on screen instructions guide user
- Simple four button operation
- Multiple language optionsTransmitter recognizes new sensor
- cartridges
- Easy to change gas types
- Large clear backlit graphical LCD display

Easy to Maintain

- Simple plug in under power sensor cartridge
- Smart cartridges are supplied pre calibrated
 Common sensor and transmitter for all
- gas types Simple filter replacement
- Simple filter replacement

Apex takes the best elements of gas detection design and combining them into one unit. Apex provides the highest performance, installation flexibility, a wide range of accessories and a choice of communication outputs. All this is provided in a package that is easy to install, operate and maintain.

Typical applications include:

Petrochemical

Exploration drilling rigs, production platforms, FPSOs, oil and gas terminals, chemical plants, oil and gas tankers

Heavy Industrial

Steel manufacture, ship building

Manufacturing

Automotive, glass and ceramics, aerospace, printing and coating, cosmetics

Pharmaceutical

Research labs, solvent storage areas, process areas, demineralisation plants

Transmitter

The robust hazardous area approved Apex transmitter housing and mounting bracket is made from 316 Stainless Steel. It has a large backlit LCD display, simple 4 button operation, 3 fully configurable relay outputs and selectable sink, source or isolated 4-20mA signal. The sensor and transmitter is common for all gas types.

Sensor

The Apex Sensor can be mounted directly on the transmitter or remotely up to 100m away. The same sensor is used for both catalytic and electrochemical type sensor cartridges.

Smart cartridge

The sensor can be fitted with a choice of over 40 toxic gas ranges and wide range of detectable flammable gases. Each cartridge is pre calibrated and simply plugs into the sensor. The Intrinsically Safe design allows cartridges to be changed with the unit under power. The transmitter recognizes a newly fitted sensor cartridge and automatically reads all the configuration information from it.



General specification



General Specification			
Power supply	24Vdc nominal (18-32Vdc)		
	Apex 3W toxic, 4.6W catalytic		
Power consumption (typical) Outputs Relay outputs Analogue signal	Apex SW toxic, 4.0W catalytic A1, A2 and Fault 2A at 30Vdc* selectable normally open or normally closed and normally energised or normally de-energised 4-20mA sink, source or isolated output		
Digital output	LonWorks (optional) - only available on ATEX certified version		
Material and weight	316 Stainless Steel 5.25kg (11.55lbs)		
Accuracy	Baseline $\pm 3\%$, at 50% FSD $\pm 4\%$		
Repeatability	±2% at 50% FSD		
Linearity	<5% FSD		
Response time (typical) Catalytic Toxic	T50 <5 seconds, T90 <10 seconds T50 <12 seconds, T90 <30 seconds		
Stability (typical) Temperature: Time:	$<\pm5\%$ FSD (zero), $<\pm5\%$ FSD (span) $<\pm3\%$ FSD / year (zero), $<\pm4\%$ FSD / year (span)		
Operating temperature	-40°C to + 65°C (-40 to + 150°F). Operating temperature of electrochemical cell cartridges is cell dependent. LCD display operates over -20°C to +65°C		
Operating humidity	0-99% (non condensing)		
Environmental protection	IP66/67 to BS EN60529:1992 (Equiv. NEMA 4X / NEMA 6)		
Approvals	CE Approved to all applicable European directives. EMC EN50270: 1999 type 2		
Performance standards	Exam (DMT) EN50054/50057/50271. CSA C22.2 No.152 (with cartridge 2110B3754)		
Certification	ATEX (H2D EEx d ia IIC, CSA Class 1, Division 1 groups B, C and D C22.2 No.152 UL Class 1, Division 1 groups B, C and D, and Class 1, Zone 1 AExd [ia] IIC ATEX and UL T4 -40 to +80°C (-40 to +176°F), T5 -40 to +55°C (-40 to +131°F) CSA T4 -40 to +75°C (-40 to +167°F), T5 -40 to +55°C (-40 to +131°F) * CSA / UL rating 1A at 28Vdc		
Available gases and ranges*			
Gas	Formula	Ranges	
		nanges	Cell type
Flammable	Various	0-100%LEL or 0-10%LEL	Cell type CAT
Flammable Ammonia		· · · · · · · · · · · · · · · · · · ·	CAT
	Various	0-100%LEL or 0-10%LEL	CAT
Ammonia Arsine Boron trichloride	Various NH ₃ AsH ₃ BCI ₃	0-100%LEL or 0-10%LEL 0-50ppm, 0-100ppm, 0-400ppm or 0-1000ppm 0-0.2ppm 0-6ppm	CAT ECC ECC ECC
Ammonia Arsine Boron trichloride Bromine	Various NH ₃ AsH ₃ BCI ₃ BR ₂	0-100%LEL or 0-10%LEL 0-50ppm, 0-100ppm, 0-400ppm or 0-1000ppm 0-0.2ppm 0-6ppm 0-0.4ppm	CAT ECC ECC ECC ECC ECC
Ammonia Arsine Boron trichloride Bromine Carbon monoxide	Various NH ₃ AsH ₃ BCl ₃ BR ₂ CO	0-100%LEL or 0-10%LEL 0-50ppm, 0-100ppm, 0-400ppm or 0-1000ppm 0-0.2ppm 0-6ppm 0-0.4ppm 0-100ppm, 0-200ppm or 0-500ppm	CAT ECC ECC ECC ECC ECC ECC
Ammonia Arsine Boron trichloride Bromine Carbon monoxide Chlorine	Various NH ₃ AsH ₃ BCI ₃ BR ₂ CO Cl ₂	0-100%LEL or 0-10%LEL 0-50ppm, 0-100ppm, 0-400ppm or 0-1000ppm 0-0.2ppm 0-6ppm 0-0.4ppm 0-100ppm, 0-200ppm or 0-500ppm 0-2ppm, 0-5ppm or 0-15ppm	CAT ECC ECC ECC ECC ECC ECC ECC
Ammonia Arsine Boron trichloride Bromine Carbon monoxide Chlorine Chlorine dioxide	$\begin{tabular}{ c c c } \hline Various & & \\ \hline NH_3 & & \\ \hline AsH_3 & & \\ BCI_3 & & \\ BR_2 & & \\ \hline CO & & \\ CO & & \\ CI_2 & & \\ CIO_2 & & \\ \hline \end{tabular}$	0-100%LEL or 0-10%LEL 0-50ppm, 0-100ppm, 0-400ppm or 0-1000ppm 0-0.2ppm 0-6ppm 0-0.4ppm 0-100ppm, 0-200ppm or 0-500ppm 0-2ppm, 0-5ppm or 0-15ppm 0-0.4ppm	CAT ECC ECC ECC ECC ECC ECC ECC ECC
Ammonia Arsine Boron trichloride Bromine Carbon monoxide Chlorine Chlorine dioxide Diborane	Various NH ₃ AsH ₃ BCI ₃ BR ₂ CO CO CI ₂ CIO ₂ B ₂ H ₆	0-100%LEL or 0-10%LEL 0-50ppm, 0-100ppm, 0-400ppm or 0-1000ppm 0-0.2ppm 0-6ppm 0-0.4ppm 0-100ppm, 0-200ppm or 0-500ppm 0-2ppm, 0-5ppm or 0-15ppm 0-0.4ppm 0-0.4ppm	CAT ECC ECC ECC ECC ECC ECC ECC ECC ECC EC
Ammonia Arsine Boron trichloride Bromine Carbon monoxide Chlorine Chlorine dioxide Diborane Dichlorosilane	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	0-100%LEL or 0-10%LEL 0-50ppm, 0-100ppm, 0-400ppm or 0-1000ppm 0-0.2ppm 0-6ppm 0-0.4ppm 0-100ppm, 0-200ppm or 0-500ppm 0-2ppm, 0-5ppm or 0-15ppm 0-0.4ppm 0-0.4ppm 0-10ppm	CAT ECC ECC ECC ECC ECC ECC ECC ECC ECC EC
Ammonia Arsine Boron trichloride Bromine Carbon monoxide Chlorine Chlorine dioxide Diborane Dichlorosilane Ethylene oxide	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	0-100%LEL or 0-10%LEL 0-50ppm, 0-100ppm, 0-400ppm or 0-1000ppm 0-0.2ppm 0-6ppm 0-0.4ppm 0-100ppm, 0-200ppm or 0-500ppm 0-2ppm, 0-5ppm or 0-15ppm 0-0.4ppm 0-0.4ppm 0-10ppm 0-25pmm	CAT ECC ECC ECC ECC ECC ECC ECC ECC ECC EC
Ammonia Arsine Boron trichloride Bromine Carbon monoxide Chlorine Chlorine dioxide Diborane Dichlorosilane Ethylene oxide Fluorine	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	0-100%LEL or 0-10%LEL 0-50ppm, 0-100ppm, 0-400ppm or 0-1000ppm 0-0.2ppm 0-0.4ppm 0-100ppm, 0-200ppm or 0-500ppm 0-2ppm, 0-5ppm or 0-15ppm 0-0.4ppm 0-0.4ppm 0-25pmm 0-25pmm 0-25pmm 0-4ppm	CAT ECC ECC ECC ECC ECC ECC ECC ECC ECC EC
Ammonia Arsine Boron trichloride Bromine Carbon monoxide Chlorine Chlorine dioxide Diborane Dichlorosilane Ethylene oxide Fluorine Germane	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	0-100%LEL or 0-10%LEL 0-50ppm, 0-100ppm, 0-400ppm or 0-1000ppm 0-0.2ppm 0-0.4ppm 0-100ppm, 0-200ppm or 0-500ppm 0-2ppm, 0-5ppm or 0-15ppm 0-0.4ppm 0-0.4ppm 0-25pmm 0-25pmm 0-25pmm 0-25pmm 0-0.8ppm	CAT ECC ECC ECC ECC ECC ECC ECC ECC ECC EC
Ammonia Arsine Boron trichloride Bromine Carbon monoxide Chlorine Chlorine dioxide Diborane Diohlorosilane Ethylene oxide Fluorine Germane Hydrogen	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	0-100%LEL or 0-10%LEL 0-50ppm, 0-100ppm, 0-400ppm or 0-1000ppm 0-0.2ppm 0-6ppm 0-0.4ppm 0-100ppm, 0-200ppm or 0-500ppm 0-2ppm, 0-5ppm or 0-15ppm 0-0.4ppm 0-0.4ppm 0-100ppm, 0-200ppm or 0-500ppm 0-2ppm, 0-5ppm or 0-15ppm 0-0.4ppm 0-0.4ppm 0-10ppm 0-25pmm 0-25pmm 0-25ppm 0-25ppm 0-25ppm	CAT ECC
Ammonia Arsine Boron trichloride Bromine Carbon monoxide Chlorine Chlorine dioxide Diborane Dichlorosilane Ethylene oxide Fluorine Germane Hydrogen bromide	$\begin{tabular}{lllllllllllllllllllllllllllllllllll$	0-100%LEL or 0-10%LEL 0-50ppm, 0-100ppm, 0-400ppm or 0-1000ppm 0-0.2ppm 0-6ppm 0-0.4ppm 0-100ppm, 0-200ppm or 0-500ppm 0-2ppm, 0-5ppm or 0-15ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-10ppm 0-25pmm 0-25pm 0-100ppm 0-0.8ppm 0-1000ppm 0-12ppm	CAT ECC
Ammonia Arsine Boron trichloride Bromine Carbon monoxide Chlorine Chlorine dioxide Diborane Diohlorosilane Ethylene oxide Fluorine Germane Hydrogen bromide Hydrogen chloride	Various NH ₃ AsH ₃ BCI ₃ BR ₂ CO Cl ₂ ClO2 B ₂ H ₆ SIH ₂ Cl ₂ C ₂ H ₄ O F ₂ GeH ₄ H ₂ HBr HCI	0-100%LEL or 0-10%LEL 0-50ppm, 0-100ppm, 0-400ppm or 0-1000ppm 0-0.2ppm 0-6ppm 0-0.4ppm 0-100ppm, 0-200ppm or 0-500ppm 0-2ppm, 0-5ppm or 0-15ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-10ppm 0-25pmm 0-25pmm 0-4ppm 0-0.8ppm 0-1000ppm 0-12ppm 0-12ppm 0-12ppm	CAT ECC
Ammonia Arsine Boron trichloride Bromine Carbon monoxide Chlorine Chlorine dioxide Diborane Dichlorosilane Ethylene oxide Fluorine Germane Hydrogen bromide Hydrogen chloride	Various NH ₃ AsH ₃ BCI ₃ BR ₂ CO Cl ₂ ClO2 B ₂ H ₆ SIH ₂ Cl ₂ C ₂ H ₄ O F ₂ GeH ₄ H ₂ HBr HCI HCN	0-100%LEL or 0-10%LEL 0-50ppm, 0-100ppm, 0-400ppm or 0-1000ppm 0-0.2ppm 0-6ppm 0-0.4ppm 0-100ppm, 0-200ppm or 0-500ppm 0-2ppm, 0-5ppm or 0-15ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-10ppm 0-25pmm 0-25pmm 0-4ppm 0-100ppm 0-100ppm 0-12ppm 0-12ppm 0-20ppm	CAT ECC
Ammonia Arsine Boron trichloride Bromine Carbon monoxide Chlorine dioxide Diborane Dichlorosilane Ethylene oxide Fluorine Germane Hydrogen bromide Hydrogen chloride Hydrogen fluoride	Various NH ₃ AsH ₃ BCI ₃ BR ₂ CO CI ₂ CIO ₂ B ₂ H ₆ SiH ₂ CI ₂ C ₂ H ₄ O F ₂ GeH ₄ H ₂ HBr HCI HCN	0-100%LEL or 0-10%LEL 0-50ppm, 0-100ppm, 0-400ppm or 0-1000ppm 0-0.2ppm 0-6ppm 0-0.4ppm 0-100ppm, 0-200ppm or 0-500ppm 0-2ppm, 0-5ppm or 0-15ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-10ppm 0-10ppm 0-10ppm 0-12ppm 0-12ppm 0-12ppm 0-20ppm 0-12ppm 0-20ppm 0-12ppm 0-20ppm 0-20ppm 0-20ppm	CAT ECC
Ammonia Arsine Boron trichloride Bromine Carbon monoxide Chlorine Chlorine dioxide Diborane Dichlorosilane Ethylene oxide Fluorine Germane Hydrogen bromide Hydrogen chloride Hydrogen fluoride Hydrogen sulfide	$\begin{tabular}{ c c c c } \hline Various & \\ \hline NH_3 & \\ \hline AsH_3 & \\ \hline BCl_3 & \\ BR_2 & \\ CO & \\ Cl_2 & \\ ClO_2 & \\ \hline B_2H_6 & \\ SiH_2Cl_2 & \\ \hline C_2H_4O & \\ \hline F_2 & \\ \hline GeH_4 & \\ \hline H_2 & \\ \hline HBr & \\ \hline HCl & \\ \hline HCl & \\ \hline HCN & \\ \hline HF & \\ \hline H_2S & \\ \hline \end{tabular}$	0-100%LEL or 0-10%LEL 0-50ppm, 0-100ppm, 0-400ppm or 0-1000ppm 0-0.2ppm 0-6ppm 0-0.4ppm 0-100ppm, 0-200ppm or 0-500ppm 0-2ppm, 0-5ppm or 0-15ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-10ppm 0-10ppm 0-10ppm 0-12ppm 0-12ppm 0-20ppm 0-20ppm 0-12ppm 0-20ppm 0-12ppm 0-20ppm 0-12ppm 0-12ppm 0-12ppm 0-12ppm 0-12ppm	CAT ECC
Ammonia Arsine Boron trichloride Bromine Carbon monoxide Chlorine dioxide Diborane Dichlorosilane Ethylene oxide Fluorine Germane Hydrogen bromide Hydrogen chloride Hydrogen fluoride Hydrogen sulfide Nitric oxide	$\begin{tabular}{ c c c c } \hline Various & \\ \hline NH_3 & \\ \hline AsH_3 & \\ \hline BCl_3 & \\ BB_2 & \\ CO & \\ CO & \\ Cl_2 & \\ CO & \\ Cl_2 & \\ CO & \\ Cl_2 $	0-100%LEL or 0-10%LEL 0-50ppm, 0-100ppm, 0-400ppm or 0-1000ppm 0-0.2ppm 0-6ppm 0-0.4ppm 0-100ppm, 0-200ppm or 0-500ppm 0-2ppm, 0-5ppm or 0-15ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-10ppm 0-10ppm 0-10ppm 0-12ppm 0-12ppm 0-20ppm 0-20ppm 0-12ppm 0-12ppm 0-12ppm 0-12ppm 0-12ppm 0-12ppm 0-10ppm 0-12ppm 0-10ppm 0-10ppm	CAT ECC E
Ammonia Arsine Boron trichloride Bromine Carbon monoxide Chlorine Chlorine dioxide Diborane Dichlorosilane Ethylene oxide Fluorine Germane Hydrogen bromide Hydrogen chloride Hydrogen chloride Hydrogen sulfide Nitric oxide Nitrogen dioxide	Various NH ₃ AsH ₃ BCI ₃ BR ₂ CO Cl ₂ ClO ₂ B ₂ H ₆ SHI ₂ Cl ₂ C ₂ H ₄ O F ₂ GeH ₄ H ₂ HBr HCI HCN HF H ₂ S NO NO ₂	0-100%LEL or 0-10%LEL 0-50ppm, 0-100ppm, 0-400ppm or 0-1000ppm 0-0.2ppm 0-6ppm 0-0.4ppm 0-100ppm, 0-200ppm or 0-500ppm 0-2ppm, 0-5ppm or 0-15ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-10ppm 0-10ppm 0-10ppm 0-12ppm 0-12ppm 0-20ppm 0-12ppm	CAT ECC
Ammonia Arsine Boron trichloride Bromine Carbon monoxide Chlorine Chlorine dioxide Diborane Dichlorosilane Ethylene oxide Fluorine Germane Hydrogen bromide Hydrogen chloride Hydrogen chloride Hydrogen sulfide Nitric oxide Nitric oxide Nitrogen dioxide Oxygen	Various NH ₃ AsH ₃ BCl ₃ BR ₂ CO Cl ₂ ClO2 B2H ₆ SHI ₂ Cl ₂ C ₂ H ₄ O F ₂ GeH ₄ H ₂ HBr HCI HCN HF H ₂ S NO NO ₂ O ₂	0-100%LEL or 0-10%LEL 0-50ppm, 0-100ppm, 0-400ppm or 0-1000ppm 0-0.2ppm 0-6ppm 0-0.4ppm 0-100ppm, 0-200ppm or 0-500ppm 0-2ppm, 0-5ppm or 0-15ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-10ppm 0-10ppm 0-10ppm 0-12ppm 0-12ppm 0-20ppm 0-12ppm 0-100ppm 0-12ppm 0-12ppm 0-12ppm 0-12ppm 0-12ppm 0-12ppm 0-12ppm	CAT ECC E
Ammonia Arsine Boron trichloride Bromine Carbon monoxide Chlorine Chlorine dioxide Diborane Dichlorosilane Ethylene oxide Fluorine Germane Hydrogen bromide Hydrogen bromide Hydrogen chloride Hydrogen sulfide Nitric oxide Nitric oxide Nitrogen dioxide Oxygen Ozone	$\begin{tabular}{ c c c c } \hline Various & \\ \hline NH_3 & \\ \hline AsH_3 & \\ \hline BCl_3 & \\ BB_2 & \\ \hline CO & \\ \hline Cl_2 & \\ \hline ClO_2 & \\ \hline B_2H_6 & \\ \hline SiH_2Cl_2 & \\ \hline C_2H_4O & \\ \hline F_2 & \\ \hline GeH_4 & \\ \hline H_2 & \\ \hline HBr & \\ \hline HCl & \\ \hline HCl & \\ \hline HCN & \\ \hline HF & \\ \hline H_2S & \\ \hline NO & \\ \hline NO_2 & \\ \hline O_2 & \\ \hline O_2 & \\ \hline O_3 & \\ \hline \end{tabular}$	0-100%LEL or 0-10%LEL 0-50ppm, 0-100ppm, 0-400ppm or 0-1000ppm 0-0.2ppm 0-6ppm 0-0.4ppm 0-100ppm, 0-200ppm or 0-500ppm 0-2ppm, 0-5ppm or 0-15ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-10ppm 0-10ppm 0-10ppm 0-12ppm 0-12ppm 0-20ppm 0-12ppm 0-20ppm 0-12ppm 0-12ppm 0-12ppm	CAT ECC E
Ammonia Arsine Boron trichloride Bromine Carbon monoxide Chlorine Chlorine dioxide Diborane Dichlorosilane Ethylene oxide Fluorine Germane Hydrogen bromide Hydrogen chloride Hydrogen chloride Hydrogen sulfide Nitric oxide Nitric oxide Nitric oxide Nitrogen dioxide Oxygen Ozone	$\begin{tabular}{ c c c c } \hline Various & \\ \hline NH_3 & \\ \hline AsH_3 & \\ \hline BCl_3 & \\ BR_2 & \\ \hline CO & \\ \hline Cl_2 & \\ \hline CO & \\ \hline Cl_2 & \\ \hline Cl_$	0-100%LEL or 0-10%LEL 0-50ppm, 0-100ppm, 0-400ppm or 0-1000ppm 0-0.2ppm 0-6ppm 0-0.4ppm 0-100ppm, 0-200ppm or 0-500ppm 0-2ppm, 0-5ppm or 0-15ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-10ppm 0-10ppm 0-10ppm 0-12ppm 0-12ppm 0-20ppm 0-12ppm 0-21%VV 0-0.4ppm 0-1.2ppm	CAT ECC E
Ammonia Arsine Boron trichloride Bromine Carbon monoxide Chlorine Chlorine dioxide Diborane Dichlorosilane Ethylene oxide Fluorine Germane Hydrogen bromide Hydrogen chloride Hydrogen chloride Hydrogen sulfide Nitric oxide Nitric oxide Nitrogen dioxide Oxygen Ozone	$\begin{tabular}{ c c c c } \hline Various & \\ \hline NH_3 & \\ \hline AsH_3 & \\ \hline BCl_3 & \\ BB_2 & \\ \hline CO & \\ \hline Cl_2 & \\ \hline ClO_2 & \\ \hline B_2H_6 & \\ \hline SiH_2Cl_2 & \\ \hline C_2H_4O & \\ \hline F_2 & \\ \hline GeH_4 & \\ \hline H_2 & \\ \hline HBr & \\ \hline HCl & \\ \hline HCl & \\ \hline HCN & \\ \hline HF & \\ \hline H_2S & \\ \hline NO & \\ \hline NO_2 & \\ \hline O_2 & \\ \hline O_2 & \\ \hline O_3 & \\ \hline \end{tabular}$	0-100%LEL or 0-10%LEL 0-50ppm, 0-100ppm, 0-400ppm or 0-1000ppm 0-0.2ppm 0-6ppm 0-0.4ppm 0-100ppm, 0-200ppm or 0-500ppm 0-2ppm, 0-5ppm or 0-15ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-0.4ppm 0-10ppm 0-10ppm 0-10ppm 0-12ppm 0-12ppm 0-20ppm 0-12ppm 0-20ppm 0-12ppm 0-12ppm 0-12ppm	CAT ECC E

CAT- Electrocatalytic, ECC- Electrochemical Cell. *For other gases and ranges not listed contact Honeywell Analytics. *Oxygen detection products must only be used to detect oxygen depletion in air.

Our Product Range







Fixed Gas Monitoring

Honeywell Analytics offers a wide range of fixed gas detection solutions for a diverse array of industries and applications including: Commercial properties, industrial applications, semiconductor manufacturers, energy plants and petrochemical sites.

- Detection of flammable, oxygen and toxic gases (including exotics)
- Innovative use of 4 core sensing technologies – paper tape, electrochemical cell, catalytic bead and infrared
- Capability to detect down to Parts Per Billion (ppb) or Percent by Volume (%v/v)
- Sost effective regulatory compliance solutions

Portable Gas Monitoring

When it comes to personal protection from gas hazards, Honeywell Analytics has a wide range of reliable solutions ideally suited for use in confined or enclosed spaces. These include:

- Detection of flammable, oxygen and toxic gases
- Single gas personal monitors worn by the individual
- Multi-gas portable gas monitors used for confined space entry and regulatory compliance
- Multi-gas transportable monitors used for temporary protection of area during site construction and maintenance activities

Technical Services

At Honeywell Analytics, we believe in the value of great service and customer care. Our key commitment is providing complete and total customer satisfaction. Here are just a few of the services we can offer:

- » Full technical support
- Expert team on hand to answer questions and queries
- Fully equipped workshops to ensure quick turnaround on repairs
- » Comprehensive service engineer network
- » Training on product use and maintenance
- » Mobile calibration service
- Customised programmes of preventative/corrective maintenance
- » Extended warranties on products

Find out more

www.honeywellanalytics.com

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Technical Services

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Please Note:

While every effort has been made to ensure accuracy in this publication, no responsibility can be accepted for errors or omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards, and guidelines. This publication is not intended to form the basis of a contract.

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