X5 Series
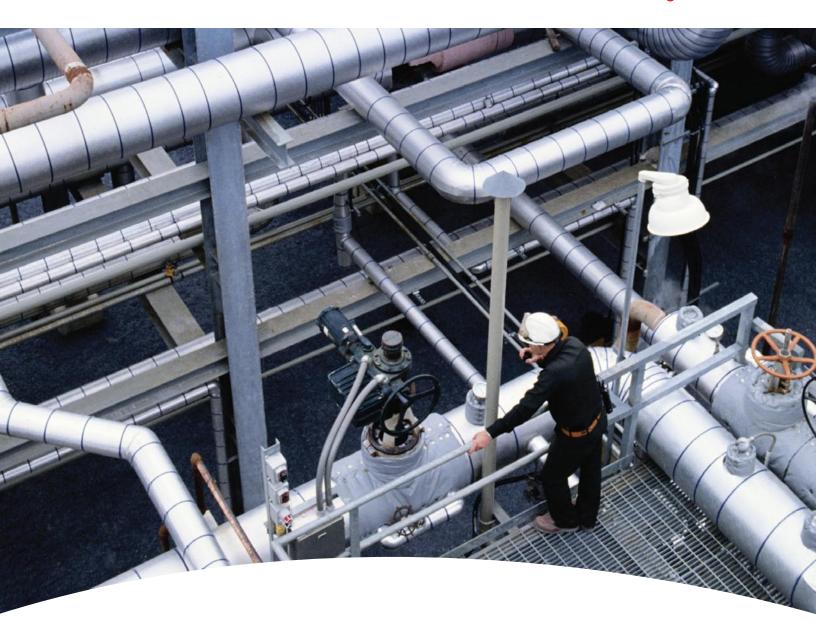
Portable 5-gas detector with docking capability and PID and IR sensor options

Compact, Rugged & Practical

- Detects VOCs (PID), H_2S, CO, O_2, SO_2, PH_3, NH_3, NO_2, HCN, Cl_2, ClO_2, O_3, CO_2 and combustibles
- Small, lightweight design
- Water-resistant, concussion-proof enclosure
- Records TWA, STEL and maximum exposures to gas and displays readings on command

Excellent Performance Features

- 0 - 1000 ppm measurement of VOCs (Volatile Organic Compounds)
- Optional integral pump for remote sampling
- Datalogging and multi-language support in English, French, German, Spanish and Portuguese
- Optional confined space kits
- Compatible with Honeywell Analytics MicroDock II automated test and calibration station

Demanding Alarms

- Audible, vibrating and visual alarms
- Four alarm levels: instantaneous Low and High Alarm for all gases, TWA (time-weighted average) and STEL (short-term exposure limit) for VOCs and toxics

User Friendly Operation

- Continuous LCD shows simultaneous gas concentrations for five gases
- Simple, user selectable field options including PID / combustible correction factor, language selection, confidence beep, span level, set TWA/STEL calculation choice, set calibration due date, pass code protection, latching alarm, "SAFE" display function, stealth mode, and selectable ppm resolution for some gases
- Self-testing sensor, battery/circuit integrity and audible/visual alarms

Protection for an entire crew:
The MicroDock II is expandable to up to 10 docking modules (including up to 6 charging units).

Honeywell Analytics X5 Series portable gas detectors simultaneously monitor up to five atmospheric hazards. A wide selection of individual electrochemical toxic sensors is available, along with optional IR sensor for carbon dioxide (% CO_2) and PID sensors for detecting volatile organic compounds (VOCs). The X5 has data-logging capabilities and is compatible with MicroDock II, Honeywell's automatic test/calibration docking station.

Compact and lightweight, the X5 activates audible, visual and vibrating alarms in the event of a low, high, TWA or STEL alarm condition. Highly configurable to suit a range of applications, Honeywell Analytics X5 comes as a diffusion or pumped instrument with either alkaline or Lithium Polymer rechargeable hot-swappable battery pack. Standard features include confidence beep, automatic calibration, full function self test, and an extended selection of user-settable field options.

PID Detection

The X5's photoionization detection option monitors VOCs that present potential hazards in work environments. VOCs, which can often evaporate at room temperature, include substances such as solvents, paint thinners, benzene, butadiene, hexane, toluene, as well as vapors associated with fuels such as gasoline, diesel, heating oil, kerosene, and jet fuel. The Honeywell Analytics' X5 integrated photoionization detector (PID) enables sensitive broad spectrum monitoring of volatile organic compounds.

General specifications

DETECTOR:	1 , 2, 3, 4, or 5 -gas detector						
Gas / Sensor	Measuring Range	Default Resolution	High Resolution	TWA ***	STEL***	LOW ***	HIGH***
O_2	0-30.0%	0.50%	N/A	N/A	N/A	19.5	23.5
H_2S	0-500 ppm	1.0 ppm	N/A	10	15	10	15
CO	0-999 ppm	1.0 ppm	N/A	35	50	35	200
TwinTox (H_2S)	0-500 ppm	1.0 ppm	N/A	10	15	10	15
TwinTox (CO)	0-500 ppm	1.0 ppm	N/A	35	50	35	200
PH_3	0-5.0 ppm	1.0 ppm	0.1 ppm	0.3	1.0	0.3	1.0
SO_2	0-150 ppm	1.0 ppm	0.1 ppm	2	5	2	5
NO_2	0-99.9 ppm	1.0 ppm	0.1 ppm	2.0	5.0	2.0	5.0
HCN	0-30.0 ppm	1.0 ppm	0.1 ppm	4.7	10.0	4.7	10.0
Cl_2	0-50.0 ppm	1.0 ppm	0.1 ppm	0.5	1.0	0.5	1.0
NH_3	0-100 ppm	1.0 ppm	0.1 ppm	25	35	25	50
ClO_2	0-1.00 ppm	0.1 ppm	0.01 ppm	0.1	0.3	0.1	0.3
O_3	0-1.00 ppm	0.1 ppm	0.01 ppm	0.1	0.1	0.1	0.1
CO_2 / IR	0-50,000 ppm	50 ppm	N/A	5,000	30,000	5,000	30,000
	0-5.0% v/v	0.01%	N/A	0.5%	3.0%	0.5%	3.0%
VOC / PID	0-1000 ppm	1 ppm	N/A	50	100	50	100
LEL	0-100% LEL	1%	N/A	N/A	N/A	10%	20%
	0-5.0% v/v	0.1%	N/A	N/A	N/A	0.5%	1.0%
Use:	Portable 5-gas monitor for the protection of personnel against gas hazards						
Sensor Configuration*:	One oxygen, one flammable, one toxic (can be TwinTox CO/H_2S sensor or other); final position is either toxic, PID or IR sensor						
Display:	Custom LCD; Backlight: Low light (auto); alarm condition (auto); reactivation on demand						
Weight:	13.1 oz / 370 g						
Dimensions:	5.7 x 2.9 x 1.5 in/ 14.5 x 7.4 x 3.8 cm						
Battery:	Alkaline or optional Lithium Polymer rechargeable battery						
Audible Alarm:	95 dB at 1 ft./30 cm at variable pulsed audible alarm						
Vibrating Alarm:	Pulses warning in gas alarm conditions, or for any status alarms						
Visual Alarm:	Two flashing alarm bars visible from all angles						
Sensor Type:	Electrochemical, catalytic bead and optional Infrared or PID						
Calibration:	Automatic (stand alone or with MicroDock II)						
Data recording:	All events and occurrences (calibration zero adjustment, calibration span adjustment, gas readings, TWA, STEL, alarm condition, failures detected by the microprocessor)						
Intrinsic Safety:	X5 and X5PID are II 1 G Ga Exia IIC T4 for ATEX and Ga Exia IIC T4 for IECEx; X5IR CO2 is II 2 G Ga Ex d ia IIC T4 for ATEX and Ga Ex d ia IIC T4 for IECEx; Canada and the U.S. : Class I, Div.1 Gr. A,B,C, D T4. Certified for combustible gas environments for Canada and the US: CAN/CSA C22.2 No.152 and ANSI ISA S12.13.1						
Warranty:	Two years including sensor except NH_3 (one year)						

* Contact Honeywell Analytics or a Honeywell Analytics distributor for allowable configurations

*** Note:alarm setpoints may vary by region

Honeywell Analytics Lines of Business

Commercial

Vulcain-brand gas detection from stand-alone units to fully engineered, multi-point systems, all offering cost-effective regulatory compliance

» Applications: parking structures, chillers, mechanical rooms, office towers, commercial buildings, shopping centers, swimming pools, golf courses, schools and universities, laboratories

Industrial

Renowned Sieger and Manning gas detection systems with advanced electrochemical, infrared and open path sensing technologies

» Applications: oil and gas, cold storage, water/wastewater treatment, chemicals, engine rooms, plastics and fibers, agriculture, printing and light industrial

Portables

Single or multi-gas Lumidor and other premium detectors with compact, lightweight designs ranging from simple alarm only units to advanced, fully configurable and serviceable instruments

» Applications: underground utility and electricity ducts, boiler rooms, post-fire sites, sewers, industrial plants, industrial hygiene, first responder teams, remote fleets

High Tech/Government

A complete portfolio of gas and chemical detection instrumentation including infrared spectroscopy (MST) with no cross interference, to Chemcassette paper-based solutions (MDA Scientific) offering detection down to parts per billion

» Applications: semiconductor manufacturing and nanotechnology, aerospace propulsion and safety, specialty chemicals industry, research laboratories, emergency response

Technical Services

24/7 global network includes post-sales service and Systems Integration teams

» Emergency call out, service contracts, on/off-site repair, training and commissioning

» Complete range of spares, consumables and accessories

Find out more

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