HONEYWELL FLEX 5 SERIES

Your Fleet. Your Way. Designed to Be Ready

Flexible configuration supporting up to six gases

Modular. Configurable. Ready for Anything. The Honeywell Flex 5 Series adapts seamlessly to multiple applications with flexible pump options and robust connectivity for smarter, safer operations across your worksite.

ADAPTABLE FOR EVERY TASK

The Flex 5 is designed for true versatility in mind, allowing users to seamlessly switch between multiple applications. Thanks to its modular design, the Flex 5 can serve as both a pumped device for sampling in confined spaces and as a wearable for personal protection, all within the same base unit. The swappable cartridges enable users to change configurations with minimal effort to suit operational needs. This adaptability means teams can reconfigure their setup to meet changing task requirements without needing separate devices, helping achieve efficiency and flexibility for every task.

SMART NETWORKS. SAFER TEAMS.

Beyond its flexibility, the Flex 5 offers connectivity options that make sure vital information reaches the right people where it matters most. Integrated wireless features enable data sharing and device management to be tailored to each scenario, whether an emergency occurs and readings are instantly relayed to a first responder, or a surveyor sends updates to the control room once the device is docked. Paired with Honeywell software solutions, Flex 5 enables fast access to device data, fleet insights, and configurable compliance tools, without forcing always on connectivity. With its advanced communication capabilities, the Flex 5 keeps the appropriate personnel informed and connected, streamlines workflows, and enhances safety by making sure everyone who needs to know is always in the loop.

FLEX 5 GAS SENSORS

Flammable (%LEL)
Hydrocarbon (%LEL)
Carbon dioxide (%VOL)
Volatile Organic Compounds (ppm)
Oxygen (%VOL)
Ammonia (ppm)
Carbon Monoxide (ppm)
Carbon Monoxide (ppm)
Carbon Monoxide
Hydrogen Sulphide
Chlorine (ppm)
Chlorine Dioxide (ppm)
Ethylene Oxide (ppm)
Hydrogen Chloride (ppm)
Hydrogen (ppm)
Hydrogen Cyanide (ppm)
Hydrogen Fluoride (ppm)
Hydrogen Sulphide (ppm)
Nitric Oxide (ppm)
Nitrogen Dioxide (ppm)
Ozone (ppm)
Phosgene (ppm)
Phosphine (ppm)
Sulphur Dioxide (ppm)

FEATURES AND BENEFITS

ONE PLATFORM. MANY JOBS.

Configure 4, 5, or 6 gases with diffusion or pumped options, all from one modular device built to adapt across applications.

BUILT FOR SCALE

Designed for fast service, streamlined fleet workflows and late customization, helping teams scale without adding complexity.

CONNECTED WHEN IT MATTERS

Choose data later, on-demand, or now, so you get the visibility you need without paying for constant connectivity. Available with Safety Suite 2.0 for connected safety management and insights.

MODULAR BY DESIGN

Field-replaceable sensor cartridges let one device support multiple applications, reducing downtime, spares and service effort.

AUTOMATED WORKFLOW

NFC enabled actionTAGS in the Flex 5 support automated assignment, configuration cloning, accessory checks, and permit-to-work workflows.

AUTOMATED EFFICIENCY

Automated operations eliminate manual steps, turning hours of monitoring and reporting into minutes.

Honeywell

Honeywell Flex 5 Series Technical Specifications

INSTRUMENT SPECIFICATIONS			
Description	Highly modular, multi-gas portable gas monitor for detection of explosive, oxygen, and toxic gas hazards. Suitable for use in potentially explosive atmospheres, indoors, and outdoors. Fitted with up to 6 sensors, including 3 high power. Up to 4 x 1 Series and 2 x 4 Series sensors may be selected from over 20 different types for a wide range of safety applications. Available in 3 fundamental configurations of 4- and 6-way cartridge (diffusion), and 6-way cartridge with built in pump. Can be ordered or configured later as required by users with appropriate training.		
Alarms and Type	Visual, Vibrating, Audible (95 dB at 30 cm), 3 x Instantaneous, TWA, STEL, Negative Drift, Over Limit, Battery, System Integrity		
Logged Information	Transmitter (enclosure only): Aluminum alloy: 2.45 kg (5.40 lb). 316 stainless steel: 5.37 kg (11.84 lb) Transmitter with display module: Aluminum alloy: 2.92 kg (6.44 lb). 316 stainless steel: 5.84 kg (12.88 lb) XPIS sensor module with cartridge: 0.80 kg (1.76 lb) XP sensor module with cartridge: 0.69 kg (1.52 lb)		
System Integrity	**Event log:** All system and sensor critical events with user acknowledgement where required **Data log:** System and sensor specific readings at defined interval for 15-120 s (user configurable) **Configuration log:** Factory default, instrument restore point (user configurable), current settings, with full change history) **Calibration history:** Full calibration history of a given device up to and including last 10 calibrations **Advanced diagnostics:** System, sensor, battery, and user operational related log for maintenance and life time operation assistance		
ActionTAGS	Full boot load security and diagnostic check on start up **USER tag:** Easy identification of users or change of service e.g. "out for repair" **ACCESSORY tag:** Tag sampling accessories for simple verification of gas type compatibility and set operation automatically **BUMP tag:** Initiate a BUMP test by scanning a gas cylinder tag with full traceability and 100% validation **CALIBRATION tag:** Read calibration gas cylinder set up and complete the "guided" calibration routine **LOCATION tag:** Check an asset name, item number, verify location, or entry to a confined space, all can be programmed All actionTAGS are AES-128 bit encrypted or higher. User programmed via PC or mobile device software		
Temperature	Certified: -20°C to 60°C (-4°F to 140°F), operational range is sensor dependent		
Ingress Protection	Waterproof, independently tested IP66 & IP68 (diffusion), IP65 (pumped)		
Humidity	Operating conditions dependent upon sensors. Generally 0-99%rH (non-condensing) is recommended		
Connectivity and Software	USB-C 5V 1-2A device controlled, Bluetooth® 5.X, NFC 13.56MHz contactless technology. Supports NTAG424 DNA and DESFire EV2(3) for maximum data security and encryption to avoid cyber-attacks. Operates with Device Configurator Mobile App (iOS, Android), Safety Suite 2.0, and PC Lite (Windows 11). PC Lite included for fundamental system set up and configuration, and data extraction, at local point of use. Safety Suite 2.0 recommended for centralised fleet management and custom report generation, across multiple locations.		
Certifications and Approvals	Global intrinsic safety approvals; suitable for use Zone 0, 1, 2, Class 1, Division 1 & 2, explosive atmospheres. Approved for indoor, outdoor, onshore, and offshore use by CSA (NRTL) to UL, CSA, IECEX, and ATEX requirements. Approvals pending. Contact Honeywell for the latest availability by geography.		
		Diffusion	**Pumped**
Example of Modularity	**4-way diffusion (up to 5 gases)**	**6-way diffusion (up to 6 gases)**	**6-way pumped (up to 6 gases)**

SPECIFICATION FOR STANDARD BATTERY AND REFERENCE LEL NDIR, O_2, CO, H_2S SENSORS FOR COMPARISON (EXCLUDES ALLIGATOR CLIP)			
Size	136.5 mm × 72.2 mm × 32.8 mm (5.4 in × 2.8 in × 1.3 in)	158 mm × 72.2 mm × 32.8 mm (6.2 in × 2.8 in × 1.3 in)	163 mm × 72.2 mm × 54.3 mm (6.4 in × 2.8 in ×2.2 in)
Weight	273 g	299 g	363 g
Estimated battery run time	Varies with use, age, and configuration. Minimum run time is 1 × 8 hour shift + 50 % (12 hours) any configuration		
Maximum (as new, typical 20°C use)	Up to 12 days continuous	Up to 12 days continuous	Up to 1 days continuous
Minimum (after 2 years)	12 hours	12 hours	12 hours
SPECIFICATION FOR EXTENDED BATTERY AND REFERENCE LEL NDIR, O_2, CO, H_2S SENSORS FOR COMPARISON (EXCLUDES ALLIGATOR CLIP)			
Size	136.5 mm × 72.2 mm× 37.3 mm 5.4 in × 2.8 in × 1.5 in	136.5 mm × 72.2 mm× 37.3 mm 6.2 in × 2.8 in × 1.5 in	136.5 mm × 72.2 mm× 37.3 mm 6.4 in × 2.8 in × 1.5 in
Weight	338 g	364 g	428 g
Battery run time (extended battery)	Varies with use, age, and configuration. Minimum run time is 1 x 8 hour shift + 50% (12 hours) any configuration		
Maximum (as new, typical 20°C use)	Up to 25 days continuous	Up to 25 days continuous	Up to 2 days continuous
Minimum (after 2 years)	12 hours	12 hours	12 hours

Available gases and sensing technology. Contact Honeywell for further details and availability.

HONEYWELL FLEX 5 SERIES SENSORS			
Gas[1]	Sensing Technology	Short Ref.	Sensor Format
Flammable (%LEL)	Catalytic bead	LEL CB F/UF	1 Series
Hydrocarbon (%LEL)	Non-dispersive infraread	HC LEL NDIR	1 Series
Carbon dioxide (%VOL)	Non-dispersive infraread	NDIR CO_2	1 Series
Volatile Organic Compounds (ppm)[3]	Photoionisation (PID)	VOC (PID)	4 Series
Oxygen (%VOL)	Lead-free, long life	O_2	1 Series
Ammonia (ppm)	Electrochemical	NH_3	4 Series
Carbon Monoxide (ppm)	Electrochemical (low H_2 response)	CO-H	1 Series
Carbon Monoxide (ppm)	Electrochemical	CO	1 & 4 Series
Carbon Monoxide/ Hyrdrogen Sulphide[2]	Electrochemical (dual toxic)	CO+H_2S	1 Series
Chlorine (ppm)	Electrochemical	Cl_2	1 & 4 Series
Chlorine Dioxide (ppm)	Electrochemical	ClO_2	4 Series
Ethylene Oxide (ppm)	Electrochemical	EtO	4 Series
Hydrogen Chloride (ppm)	Electrochemical	HCl	4 Series
Hydrogen (ppm)	Electrochemical	H_2	4 Series
Hydrogen Cyanide (ppm)	Electrochemical	HCN	1 & 4 Series
Hydrogen Fluoride (ppm)	Electrochemical	HF	4 Series
Hydrogen Sulphide (ppm)	Electrochemical	H_2S	1 & 4 Series
Nitric Oxide (ppm)	Electrochemical	NO	1 & 4 Series
Nitrogen Dioxide (ppm)	Electrochemical	NO_2	1 & 4 Series
Ozone (ppm)	Electrochemical	O_3	4 Series
Phosgene (ppm)	Electrochemical	$COCl_2$	4 Series
Phosphine (ppm)	Electrochemical	PH_3	4 Series
Sulphur Dioxide (ppm)	Electrochemical	SO_2	1 & 4 Series

NOTES

[1] Typical units of measure given. %LEL, %VOL, ppm, umol/mol, mg/m3 also available subject to region

[2] Only available slot 3 on diffusion 4-way cartridge

[3] Only available on 6-way pumped cartridge slot 6

All 1 Series sensors compatible with slots 1 to 4 on 4- and 6-way cartridges

All 4 Series sensors compatible with slots 5 and 6 on 6-way cartridges

Restrictions of sensor combinations apply subject to cross sensitivities

Sensing technology used may limit temperature and humidity operation

For availability, configuration, part numbers, and ranges, contact Honeywell or their representative.

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