Honeywell

SPM Flex FREQUENTLY ASKED QUESTIONS

Chemcassette® Tape-Based Gas Detector

Q: What are the advantages of the SPM Flex versus my current SPM or TLD?

A: The SPM Flex has been designed from the ground up to be the most flexible, user-friendly portable or fixed detector for low level toxics available today. The unit starts up quickly and all necessary operating information is stored on the Chemcassette — no more ChemKey's or feeding of tapes — so you can quickly respond to an alarm. Additionally, thanks to the intuitive user interface your employees can take advantage of its advanced capabilities — no expertise required!

Q: What are the advantages of the SPM Flex versus other competitor products?

A: The SPM Flex has a number of features which set it apart from the competition. Its crisp full color LCD display and LED status bar allow you to quickly see the condition of the unit — even from a distance — and that same information is available remotely via the built in web page access! And, while you're there, export the up to 90 days of event history which is stored via the units on-board memory.

Q: Is it a fixed or a portable unit?

A: Both! The SPM Flex shines as a portable unit, but with up to 90 day tapes, and the ability to hardwire communications and power connections it also performs well as a fixed or semi-fixed unit, which means less training and fewer spare parts. And, every unit comes with a battery, so even if you lose power you're still protected.

Q: Is there any calibration required?

A: Thanks to the RFID enabled Chemcassette, all necessary calibration information is updated automatically including flow control and default alarm set points, so all you have to do is choose the right Chemcassette, pick the gas you want from the on-screen menu, and go.*

Q: What are the operating parameters?

A: The SPM Flex is a rugged, purpose built piece of equipment. Its weatherproof design (IP-65 rated) means it's well equipped to withstand changes in temperature and moisture, and thanks to its Teflon coating, it doesn't attract dust so it's cleanroom safe. And, if it's ever exposed to toxic gas or caustic liquid just hose it down or use a decontamination wipe.

Operating temperature ranges from 0°- 40°C (32°-104°F), which is largely limited by the Chemcassette technology. Note that Chemcassette tapes should be stored at less than 0°C (32°F) when not in use, and are typically shipped with a shelf life of approximately 12 months.

Q: Can I set custom configurations?

A: The SPM Flex is highly customizable, including up to four levels of user access rights, giving administrators unparalleled control. Users can also set individual gas parameters for settings such as LDL, and Alarm Levels 1 and 2. Once you have those configurations set, quickly deploy them across multiple units using the USB.

* For elevations in excess of 3,000 feet above sea level, some adjustments may be required.

Q: What Chemcassettes® are available?

A: Honeywell Analytics is proud to offer a wide range of detectable gases at launch in two-week, thirty-day and ninety-day configurations. You can expect our full range of typical semiconductor gases, including Hydrides, Mineral Acids, Oxidizers, and Amines. We're also pleased to offer popular Industrial gases such as Phosgene, and if you don't see a gas you're looking for be sure to check with us as we continue to roll out new calibrations.

Q: What maintenance is required?

A: Periodic preventative maintenance is strongly recommended in order to keep the SPM Flex running smoothly. Activities include replacing filters, checking for system leaks, and verifying optics and other mechanical elements are working as expected — all of which are easily performed by the user. Refer to the manual for a detailed service schedule.

Q: What is serviceable by the end user?

A: Most of the critical components in the SPM Flex have been designed to be user serviceable in under five minutes including the pump, filters, and stepper motor. Notable exceptions include the battery and the main PCB board which should be serviced by Honeywell Analytics. However, one thing you'll never have to send the unit back for is updating the software — just download it from our website and update it via the USB. Refer to the manual for detailed service information.

Q: What type of battery is included?

A: The SPM Flex comes standard with a lithium-ion battery pack that provides continuous operation of up to 12 hours depending on sampling conditions and unit configuration, and takes approximately 4 hours to charge. The battery is estimated to have approximately 4 hours of life at full charge after 1000 cycles.

Q: What are the power requirements?

A: The SPM Flex comes standard with an external power supply that can be plugged into a standard wall outlet, and features a fully weatherproof connector. For fixed applications a 1" conduit connection can be used to supply power.*

Q: What communication protocols are available?

A: The SPM Flex comes standard with a wide range of communication protocols for integration into building management systems including Modbus TCP over Ethernet, 4-20mA, and relays (3x - fault, alarm, and user configurable). Additionally, the USB port can be used to extract event history, configure device settings, and even update the software.

Q: What certifications are available?

A: As a global product, the SPM Flex was tested and certified for use by UL to applicable USA, Canadian and European (LVD and EMC) requirements for safety in non-hazardous locations. It was also tested by UL for applicable FCC, IC and NOB requirements for the radio frequency Chemcassette identification. At this time it is not class 1 div 2 certified, and should not be used in potentially explosive environments.

* Users should contact a qualified electrician for details and to ensure any installation complies with local regulations.

Find out more
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