BE ATEX

SPM FLEX

Honeywell

COLORIMETRIC GAS DETECTION: SPECIALLY DESIGNED FOR HIGHLY SENSITIVE PRODUCTS.

Whether you're responding to an emergency, investigating a suspected leak or performing routine tool maintenance, you can count on the SPM Flex for unmatched accuracy, intuitive operation and flexible integration - even in challenging environments.

This portable, single point Chemcassette® tape-based monitor detects ultrasensitive gases, including hydrides, mineral acids, oxidisers and amines.

Chemcassette® tape technology shows the presence of gas quickly and definitively with a physical record.

Say goodbye to disruptive false alarms!

TECHNICAL DATA

Detection technique: Chemcassette tape-based with advanced self monitoring optics design and K-factor multiplier options. Duty cycle options to save paper.

Size:
13.2 x 7.2 x 6.4 in. / 33.6 x 16.3 x 16.3 cm (without handle)
13.2 x 7.2 x9.5 in. / 33.6 x 16.3 x 24.1 cm (with handle)

Weight: 9.1 lbs. (4.1 kg)

Protection Class: IP65

Interface:
4 large buttons, 3.5 in. Color LCD TFT display, web server. Flip screen.

Temperature: 32˚F to 104˚F (0˚C to 40˚C)

Humidity: 0-100% RH

Alarms:
Visual: LEDs for alarm, normal condition, fault and external power.
Audible: User selectable: Off, Low ~75 dB (1 m), Medium ~85 dB (1 m), High >90 dB (1m)

Operating time: 6 hours

Data Logging: Rolling up to 3 months (15-22 sec. with no gas reading, 1-2 sec. when reading gas), Event history (1500 events – approx. 1 year).

HOW DOES IT WORK ?

Chemcassette® tape technology is a calibration-free toxic gas detection method. It uses an optical scanning system to detect the presence of a gas, which is then confirmed by a colour change on the special chemically impregnated paper tape.

Chemcassette® technology is highly accurate and reacts extremely fast to the presence of parts per billion (ppb) levels of many hazardous gases.

Over 200,000 continuous points of gas detection currently use this technology in some of the world's most critical safety applications.

BENEFITS:

FLEXIBLE AND ESAY TO USE
Do you want to monitor a specific gas type? Just turn on the SPM Flex, put in the right Chemcassette tape and use the intuitive LCD menu to select the gas from the list.

With its LCD display and colour-coded LED bar at the top of the device, you can see the alarm status, gas concentration and all the data from a distance.

QUICK START
The SPM Flex is ready to use in under two minutes.

FULLY CONFIGURABLE AND EASY TO DEPLOY
Need to change the detection limit for a gas? Or alter the alarm setpoints? Just adjust your device settings with the intuitive menu then use the USB port to download and transfer the new settings to your other units.

DATA LOGGING
With the SPM Flex, you can rest assured that every monitoring moment is being recorded and is ready for analysis. The device keeps a history of up to three months of gas concentrations, alarms, tape changes and other factors.

In addition, you can view this data through a web server, or easily download it to a USB stick.

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LARGE DETECTION RANGE AVAILABLE

FAMILY	GAS	MEASURING RANGE	TLV
HYDRIDES	Arsine (AsH_3)	0.5-500ppb	5 ppb
	Phosphine (PH_3)	3-3,000 ppb	300 ppb
	Diborane (B_2H_6)	5-1,000 ppb	100 ppb
	Silane (SiH_4)	0.03 - 50 ppm	5 ppm
	Germane (GeH_4)	50-2,000 ppb	200 ppb
	Hydrogen Selenide (H_2Se)	2-500 ppb	50 ppb
	Hydrogen Sulphide (H_2S)	0.001-9.999 ppm	1 ppm
MINERAL ACIDS	Hydrogen Fluoride (HF)	0.02-20 ppm	0.5 ppm
	Hydrogen Chloride (HCl)	0.02-20 ppm	2 ppm
	Hydrogen Bromide (HBr)	0.02-10 ppm	2 ppm
	Boron Trifluoride (BF_3)	0.05-10 ppm	0.1 ppm
	Nitric Acid (HNO_3)	0.02-20 ppm	2 ppm
	Sulfuric Acid (H_2SO_4)	5-750 ppb	50 ppb
	Hydrogen Iodide (HI)	0.2-10 ppm	n/a
OXIDIZERS	Chlorine (Cl_2)	0.005-5 ppm	0.5 ppm
	Chlorine (Cl_2)	0.01-5 ppm	0.5 ppm
	Fluorine (F_2)	0.01-10 ppm	1 ppm
	Nitrogen Dioxide (NO_2)	0.03-10 ppm	0.2 ppm
	Chlorine Dioxide (ClO_2)	20-1,000 ppb	100 ppb
AMINES	Ammonia (NH_3)	0.01-150 ppm	25 ppm
	Dimethylamine (DMA, C_2H_7N)	0.5-50 ppm	5 ppm
	Tetrakis (Dimethylamido) Titanium (TDMAT, $C_8H_{24}N_4Ti$)	0.01-20 ppm	n/a
	Trimethylamine (TMA, C_3H_9N)	0.03-50 ppm	5 ppm
PHOSGENE	Phosgene ($COCl_2$)	2-2,000 ppb	100 ppb
	Ethylchloroformate (ECF, $C_3H_5ClO_2$)	0.02-30 ppm	n/a
	Methylchloroformate (MCF, $C_2H_3ClO_2$)	0.03-30 ppm	n/a
DIISOCYANATES	Toluene Diisocyanate (TDI, $C_9H_6N_2O_2$)	0.5-200 ppb	1 ppb
	Methylene Bisphenyl Isocyanate (MDI, $C_{15}H_{10}N_2O_2$)	0.5-200 ppb	5 ppb
	Hexamethylene Diisocyanate (HDI, $C_8H_{12}N_2O_2$)	0.5-150 ppb	5 ppb
	Hydrogenated Xylene Diisocyanate (H_6XDI, $C_{10}H_{14}N_2O_2$)	0.5-150 ppb	5 ppb
	Methylene bis-(4-cyclohexylisocyante) (HMDI, $C_{15}H_{22}N_2O_2$)	0.5-200 ppb	5 ppb
	Isophorone Diisocyanate (IPDI, $C_{12}H_{18}N_2O_2$)	0.5-150 ppb	5 ppb
	Xylene Diisocyanate (XDI, $C_{10}H_8N_2O_2$)	0.5-200 ppb	5 ppb
HYDRAZINES	Hydrazine (N_2H_4)	3-1,000 ppb	3-2,000 ppb
	Monomethyl Hydrazine (MMH, CH_6N_2)	3-2,000 ppb	10 ppb
	Dimethyl Hydrazine (UDMH, $C_2H_8N_2$)	3-2,000 ppb	10 ppb
OTHER GASES	Hydrogen Cyanide (HCN)	0.2-30 ppm	4.7 ppm
	Sulphur Dioxide (SO_2)	10-2,500 ppb	250 ppb
	Ozone (O_3)	20-1,000 ppb	100 ppb
	Hydrogen Peroxide (H_2O_2)	0.1-3 ppm	1 ppm