

THE GAS DETECTOR WITH PRE CALIBRATED INTERCHANGEABLE SENSORS.

The Satellite XT is a simple solution to all gas detection needs. Based on the market's smallest and most reliable electrochemical cell technology, the Satellite XT is versatile, simple and easy to use.

The Satellite XT range uses Plug-and-Play sensors that facilitate maintenance operations and keep the associated costs down. As these are pre-calibrated, there is no need to calibrate the device following replacement of a sensor.

PYROLYZER MODULE XT

This XT Series module detects gases with fluorine content. The central component of the Pyrolyzer Module XT is the pyrolyzer itself, which converts the gases to mineral acids.

EXTRACTIVE MODULE XT

The Extractive Module XT is the ideal add-on component for gas sampling and detection in various environments, in particular in-situ duct detection and detection in harsh or remote areas. Its primary function is to transport gas samples from a monitored point to the sensor.

TECHNICAL DATA

Size: 5.7 x 3.7 x 2.0 in. / 14.5 x 9.5 x 5.0 cm

Protection Class: IP 52 (option: IP 65)

Temperature: -4°F to +104°F / -20°C to +40°C

Humidity: 20 up to 90% RH

Signal Output: 4-20mA

Power supply: 12 to 24 VDC

Relay outputs:

Contacts: 3 x SPST (Single-Pole Single-Throw), 6-wire shielded cable 6x0.25mm²/23 AWG

(approx. 3m delivered with instrument)

Analogue: 3-wire shielded cable 3x1.0mm²/17 AWG (approx. 2m delivered with instrument)

Consumption: max. 1W to 1.8W (depend models)

Approvals: RFI / EMC : EN 55022, EN 50082-2



GAS DETECTION

Substance / Sensor		Nominal Range
Arsine (3 EI)	AsH ₃	0-1 ppm
Arsine (2 EI)	AsH ₃	0-1 ppm
Arsine (2 EI)	AsH ₃	0-10 ppm
Diborane	B ₂ H ₆	0-1 ppm
Bromine	Br ₂	0-5 ppm
Chlorine	Cl ₂	0-5 ppm
Chlorine Trifluoride	ClF ₃	0-1 ppm
Chlorine Dioxide	ClO ₂	0-1 ppm
Carbon Monoxide	CO	0-500 ppm
Phosgene	COCl ₂	0-1 ppm
Fluorine	F ₂	0-5 ppm
Germane	GeH ₄	0-5 ppm
Hydrogen (1%)	H ₂	0-1% vol.
Hydrogen (4%)	H ₂	0-4% vol.
Hydrogen Sulphide	H ₂ S	0-100 ppm
Hydrogen Sulphide (org.)	H ₂ S	0-30 ppm
Hydrogen Selenide	H ₂ Se	0-5 ppm
Hydrogen Bromide	HBr	0-30 ppm
Hydrogen Chloride	HCl	0-30 ppm
Hydrogen Cyanide	HCN	0-30 ppm
Hydrogen Fluoride	HF	0-30 ppm
Hexamethyldisilazane	HMDS	0-0.5 % vol.
Hexamethyldisilazane	HMDS	0-500 ppm
Hydrazine	N ₂ H ₄	0-1 ppm
Ammonia 100ppm	NH ₃	0-100 ppm
Ammonia 1000ppm	NH ₃	0-1,000 ppm
Nitric Oxide	NO	0-25 ppm
Nitrogen Dioxide	NO ₂	0-25 ppm
Oxygen	O ₂	0-25 % vol.
Ozone	O ₃	0-1 ppm
Ozone	O ₃	0-1 ppm
Phosphine (2 EI)	PH ₃	0-1 ppm
Phosphine (3 EI)	PH ₃	0-1 ppm
Silane	SiH ₄	0-50 ppm
Sulphur Dioxide	SO ₂	0-25 ppm
Tetraethyl Silicate	TEOS	0-100 ppm
Trimethyl Borate	TMB	0-200 ppm
Trimethyl Phosphite	TMP	0-30 ppm

GAS DETECTION WITH PYROLYZER MODULE XT

Substance / Sensor		Nominal Range
Hexafluoro-1,3-butadiene	C ₄ F ₆	0-50 ppm
Octafluorocyclopentene	C ₅ F ₈	0-20 ppm
Methyl Fluoride	CH ₃ F	0-0.5 % vol.
Di-chloro-ethylene 1,2	DCE 1,2	0-1,000 ppm
Nitrogen Trifluoride	NF ₃	0-50 ppm
Sulphur Hexafluoride	SF ₆	0-0.5 % vol.

Sensor lifetime: > 1 year (in normal conditions of use)
Other sensors, please consult us.