



**The solution when
portable gas detection
is required**

Satellite Portable Gas Detector



Applications:

- Emergency response
- Localizing gas leaks
- Equipment maintenance
- Gas bottle changes
- Laboratories
- Photovoltaics

Advantages:

- Dual-mode detection either extractive or in-situ
- Dual-level concentration alarms
- User adjustable alarm levels and alarm relay actions
- Audible and visual alarm indicators
- "Plug and Play" interchangeable intelligent sensor cell
- LonWorks® or 4-20 mA interface
- Sensor diagnostics

Configurations:

- FTT/R (115 VAC) 9751-0000
- 4-20mA/R (115 VAC) 9751-0010
- FTT/R (230 VAC) 9751-1000
- 4-20 mA/R (230 VAC) 9751-1010

The Honeywell Analytics Satellite Portable Gas Detector is a versatile instrument designed to detect and measure a wide range of hazardous gases. It is ideal for emergency response use as well as monitoring in laboratories, cylinder receiving areas and other locations where portable or temporary gas detection is needed.

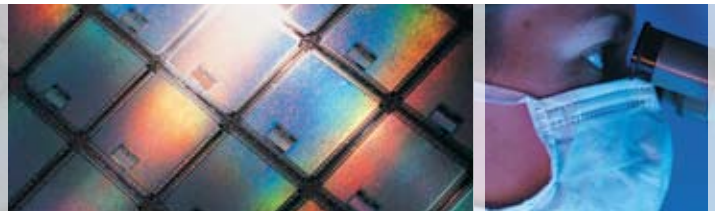
This instrument is designed for detection of toxic and corrosive gases. It is comprised 2 essential components, the sampling module with integral pump for sample transportation and the gas detection module for monitoring directly with a sensor extension cable. Diagnostics include monitoring of the sensor cell as well as flow rate. For optimum versatility and flexibility, the Satellite Portable Gas Detector uses "plug and play" sensor cells which are easily changeable in the field.

The Satellite Portable Gas Detector features user-adjustable dual-level concentration alarms, LCD concentration display and both audible and visual alarm indicators. The instrument also incorporates 3 output relays that can be used to automatically activate external devices in the event of a gas concentration alarm or instrument fault condition. In addition to the output relays, the instrument can be purchased either with a LonWorks® or 4-20 mA interface.

Continuous monitoring, fast response, ability to silence the audible alarm, battery check and the use of our intelligent electrochemical sensor cells are additional features and benefits.



Technical Summary



Performance Specifications

Alarm settings	Dual-level
Battery life	8 h
Operation temperature	-4°F to +104°F (-20°C to +40°C)
Relative humidity	10 to 95% r.h. (non-condensing)
Pressure	700 hPa to 1300 hPa
Sample tubing	OD 1/4 in ID 3/16 in
Response time	< 30 sec (10 m tubing length)
Operational cell life	> 1 year (under normal conditions)
Sensor service interval	6 months
Graphic display	122 x 32 dots with back light
LED indication	Alarm, fault, power status
Audible alarm	Continuous/ alternating buzzer signal

Facilities Requirements

Electrical supply	12V rechargeable lead acid battery
Network interface	(PN 9751-0000 or PN 9751-1000)
Network	Standard LonTalk® Protocol
Data transmission	78 kBit per second
Wiring topologies	Free, (e.g. bus, star, loop or mixed)
Wiring	Shielded (tinned copper braid) 4 wire cable (2 x 2 x 1.0mm / 17 AWG)
Alarm relay outputs	
Contacts	3 x SPST
Max. ratings	250 VAC / 8 A
Analog interface	(PN 9751-0010 or PN 9751-1010)
Interface	4-20 mA
Fault range	0 - 2 mA
Warning mode	2.8 - 4 mA @ 0,1 Hz
Maintenance mode	2.4 - 4 mA @ 1 Hz
Wiring	Shielded (tinned copper braid) 3 wire cable (3 x 1.0mm / 17 AWG)
Overall Dimensions (L x W x D)	3.5 x 9.0 x 6.5 in (89 x 228 x 165mm)
Weight	4lbs (1.8 kg)

Detectable Gases

Ammonia (NH ₃)
Arsine (AsH ₃)
Boron Trichloride (BCl ₃)
Bromine (Br ₂)
Carbon Monoxide (CO)
Chlorine (Cl ₂)
Chlorine Dioxide (ClO ₂)
Chlorine Trifluoride (ClF ₃)
Diborane (B ₂ H ₆)
Dichlorosilane (SiH ₂ Cl ₂)
Disilane (Si ₂ H ₆)
Fluorine (F ₂)
Germane (GeH ₄)
Hexamethyldisilazane (HMDS)
Hydrazine (N ₂ H ₄)
Hydrogen (H ₂)
Hydrogen Bromide (HBr)
Hydrogen Chloride (HCl)
Hydrogen Cyanide (HCN)
Hydrogen Fluoride (HF)
Hydrogen Selenide (H ₂ Se)
Hydrogen Sulphide (H ₂ S)
Nitrogen Oxide (NO)
Nitrogen Dioxide (NO ₂)
Ozone (O ₃)
Oxygen Deficiency (O ₂)
Phosphorous Oxychloride (POCl ₃)
Phosgene (COCl ₂)
Phosphine (PH ₃)
Silicon Tetrachloride (SiCl ₄)
Silicon Tetrafluoride (SiF ₄)
Silane (SiH ₄)
Sulphur Dioxide (SO ₂)
Tetraethylorthosilicate (TEOS)
Trichlorosilane (SiHCl ₃)
Trimethylborate (TMB)
Trimethylphosphite (TMP)
Tungsten Hexafluoride (WF ₆)

Outputs and Communications

Life Safety Network – LonWorks®
Facility Computer – DVS Software
Relay Output Controller
iDisplay
FMS 8700 and FMS 8710 Controllers
PLC/SCADA Communication

Options and Accessories

Carrying Case	P/N 9751-0200
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Endorsements and Accreditations



Honeywell Analytics Lines of Business



Commercial

Gas detection from standalone 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



Find out more

www.honeywellanalytics.com

Contact Honeywell Analytics:

Americas

Honeywell Analytics, Inc.
405 Barclay Blvd.
Lincolnshire, IL 60069
USA

Tel: 847.955.8200

Toll-free: 800.538.0363

Fax: 847.955.8210

detectgas@honeywell.com

Technical Services

ha.service@honeywell.com

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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

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Europe, Middle East, Africa

Life Safety Distribution AG

Weiherallee 11a

CH-8610 Uster

Switzerland

Tel: +41 (0)44.943.4300

Fax: +41 (0)44.943.4398

gasdetection@honeywell.com

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- » Complete range of spares, consumables and accessories

Asia Pacific

Honeywell Analytics, Asia Pacific

#508, Kolon Science Valley (1)

187-10 Guro-Dong, Guro-Gu

Seoul, 152-050

Korea

Tel: +82 (0)2.2025.0307

Fax: +82 (0)2.2025.0329

analytics.ap@honeywell.com

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