GasPoint

H_2S, CO, NH_3, HCN, NO_2, SO_2, O_2, Cl_2
Combustibles (Catalytic 0-100% LEL) or
Combustibles (IR 0-100% LEL)

BW Technologies by Honeywell

Gas Transmitter with Internal Alarm Relays



One Transmitter
with interchangeable electrochemical, infrared and catalytic plug-in sensors

FEATURES:

The GasPoint transmitter provides a 4-20 mA output signal that can be connected to any control system (DCS, PLC, etc.). With advanced sensor technology and microcontroller based operation, the GasPoint provides continuous monitoring of hazardous gases.

- The GasPoint transmitter can accept any GasPoint sensor type: electrochemical, catalytic or IR (infrared). All plug-in sensor assemblies are field-interchangeable.
- Full function sensor integrity test (auto) continuously advises gas sensing ability and life ended
- Non-intrusive, one-person calibration with auto zero and auto span
- Equipped with three 5-amp relay contacts—two gas alarm relays (low/high) and fault alarm. Field-selectable normally energized/ de-energized and latching/non-latching alarm relay functions.
- Two backlit alphanumeric LCDs advise all environmental and gas hazard conditions as well as instrument and sensor status
- Remote toxic/oxygen sensors can be installed over 3,900 ft./ 1,100 m away; combustible sensors over 1,550 ft./475 m. Kit can be installed at any time.
- Alarm setpoints displayed on demand—simply press the external button
- Field programmable alarm levels
- Backlight (auto) in low light conditions and alarm
- Extensive fault diagnostics
- 2-way digital communication using MODBUS module

ISO
ISO9001:2000 Registered

Fixed Gas Monitoring Systems

Ordering Information

GP-WD	Gas Transmitter with Combustible Catalytic Sensor
GP-IR-WD	Gas Transmitter with Combustible Infrared Sensor
GP-HD	Gas Transmitter with H_2S Sensor
GP-MD	Gas Transmitter with CO Sensor
GP-AD	Gas Transmitter with NH_3 Sensor
GP-ZD	Gas Transmitter with HCN Sensor
GP-DD	Gas Transmitter with NO_2 Sensor
GP-SD	Gas Transmitter with SO_2 Sensor
GP-XD	Gas Transmitter with O_2 Sensor
GP-CD	Gas Transmitter with Cl_2 Sensor

Accessories and Spares

GP-POWER1	120-240 VAC Power Supply
GP-MBUS4	2-wire/4-wire MODBUS Communication Expansion Module
GP-SEP	Sensor Separation Kit
GP-1	Gas Transmitter
GP-SSPB	Stainless Steel Process Baffle
GP-SSCAL4	Stainless Steel GasPoint Splash Guard
GP-DUC-K1	Duct Mount Adaptor

Replacement Sensor Assemblies

SS-RH02.....H_2S	SS-RM02.....CO	SS-RA02.....NH_3
SS-RZ02.....HCN	SS-RD02.....NO_2	SS-RC02.....Cl_2
SS-RS02.....SO_2	SS-RX02.....O_2	

SS-RW02....Combustible Catalytic Sensor Assembly
IR-RW03.....Combustible IR Sensor Assembly

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GasPoint

LEL, H_2S, CO, NH_3, HCN, NO_2, SO_2, Cl_2 or O_2

4-20 mA Gas Transmitter

Display advises:

- △ Gas type monitored
- △ Continuous (%LEL, %v/v or ppm) readout of gas concentration
- △ Alarm level and type encountered - LOW/HIGH or FAULT
- △ When sensor has failed its automatic daily self-test
- △ "Sensor Replacement" and "Sensor Expired" indications
- △ When to apply gas during calibration

Special Features

Change gases monitored in the field at any time. The GasPoint Transmitter will recognize the sensor installed and test and reset itself to that sensor type.

No junction box connection required.

Daily sensor integrity test (auto) monitors sensor operation, length of time sensor has been in service and advises when sensor requires replacement.

GasPoint allows you to set or change calibration time and gas alarm setpoints in the field.

Select or modify the measuring range using a simple dipswitch.

The optional plug-in MODBUS expansion module provides an addressable communications interface (1-247).

SPECIFICATIONS

MONITOR: 3-wire, 4-20 mA gas transmitter with advanced microcontroller-based circuitry
Power Input: 12 to 32 volts DC
Output Current: Normal Operation: Isolated linear 4-20 mA output
Calibration Mode: Steady 3 mA (auto reset to normal operation)
Fault Mode: 2 mA signal (and less)
Power Consumption: Toxic Versions: 40 mA at 24 VDC
Combustible Version: 100 mA at 24 VDC
Relays: 50 mA per relay at 24 VDC

SENSORS: Plug-in, smart sensors
Detection Type: Combustible gases: catalytic or IR; Toxic gases and Oxygen: electrochemical
Self-Test:: Automatic daily self-test of sensor integrity and sensor life
Relative Humidity: 5 to 95% RH non-condensing
Drift: Zero: <5% per year; Span: <10% per year

Gas Monitoring Specifications	Detectable Accuracy	LCD Increment	Temperature Range	Units	Programmed Measuring Ranges
Combustibles - Catalytic	1%	1	-40 to +90°C / -40 to +194°F	%LEL	0-100*
Combustibles - Infrared	1%	1	-40 to +70°C / -40 to +150°F	%LEL	0-100*
H_2S	0.25 ppm	1	-40 to +50°C / -40 to +122°F	ppm	0-20, 0-50, 0-100*, 0-500
CO	1 ppm	1	-20 to +50°C / -4 to +122°F	ppm	0-50, 0-100, 0-500*, 0-1,000
NH_3	1 ppm	1	-10 to +50°C / +14 to +122°F	ppm	0-50*, 0-100, 0-500, 0-1,000
HCN	0.1 ppm	0.1	-20 to +50°C / -4 to +122°F	ppm	0-20.0*, 0-50.0, 0-100
NO_2	0.1 ppm	0.1	-20 to +50°C / -4 to +122°F	ppm	0-50.0*, 0-10.0, 0-20.0, 0-99.9
SO_2	1 ppm	1	-20 to +50°C / -4 to +122°F	ppm	0-100*, 0-50, 0-20, 0-10
O_2	0.1%	0.1	-20 to +50°C / -4 to +122°F	%v/v	0-30.0%*
Cl_2**	0.1 ppm	0.1	-20 to +50°C / -4 to +122°F	ppm	0-5.0*, 0-10.0, 0-100.0

**Factory default setting*
***Note: Cl_2 not rated for Class I, Div. 1*

CALIBRATION: Non-intrusive, via pushbutton
Auto zero and auto span

DISPLAYS: Two backlit liquid crystal displays
LCD 1 3-digit continuous readout of the gas present (ppm, % LEL or %v/v)
LCD 2 Alphanumeric diagnostic status display
Alarm Setpoints: Two setpoints: user-selectable

RELAY CONTACTS: Three SPDT relays; 5 amps at 250 VAC
LOW/HIGH: Field selectable for normally energized/de-energized and latching/non-latching
FAULT: Normally energized and non-latching

TRANSMISSION RANGES: Relay contacts not considered. (For ranges with relays see manual.)

Conductor Size		Toxic / Oxygen Sensors		Combustible Sensors	
22 AWG	0.64 mm	6,712 ft.	2,045 m	3,356 ft	1,022 m
20 AWG	0.75 mm	10,953 ft.	3,253 m	5,336 ft.	1,626 m
18 AWG	1.0 mm	16,953 ft.	5,167 m	8,476 ft.	2,583 m

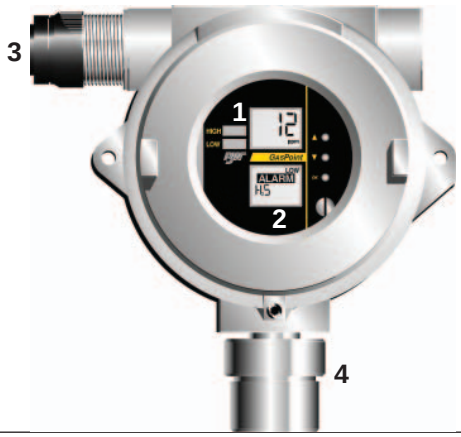
CONTROLS: Calibration: Non-intrusive via external pushbutton
Alarm Setpoints: Simple up/down pushbuttons with LCD readout of setpoints

PHYSICAL: Size: 6.8 x 7 x 4.3 inches / 17 x 17.8 x 10.8 cm (approx.)
Weight: 4.85 lb. / 2.2 kg (approx.)
Transmitter: Nema 4, explosion-proof, anodized aluminum enclosure with mounting flanges
Sensor: Stainless steel enclosure

WARRANTY: Instrument: 2 years non-prorated; Sensor: 2 years full replacement warranty

DUE TO ONGOING RESEARCH AND PRODUCT IMPROVEMENT, SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

RATINGS AND CERTIFICATIONS: Class I, Div. 1, Groups B, C, D (LEL and IR models)
Class I, Div. 1, Groups B, C, D; Class II, Div. 1, Groups E, F, G (toxic models only)
Explosion-proof: ANSI/ISA: UL 1203; CSA: C22.2 No 30
Combustible Performance Standards: ANSI/ISA: ISA-S12.13; CSA: C22.2 No 152



1. Large, backlit LCD readout of gas concentration
2. Alphanumeric LCD showing transmitter STATUS and diagnostics
3. Non-intrusive calibration via simple pushbutton
4. Interchangeable sensor types: LEL (catalytic or IR), toxic gas or oxygen with common transmitter assembly
5. Three relays: two gas alarm relays, one fault relay

Locally distributed by:

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BW Technologies by Honeywell

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