



Combustible Gas Transmitter

Sieger Digi-Cat Combustible Gas Transmitter



Features

- Non-intrusive one person calibration
– reducing downtime and maintenance costs.
- Linear 4 – 20mA output signal – industry standard compatible with dedicated control equipment or plant control systems.
- LED display – local indication of gas concentration.
- CENELEC and other certification
– suitable for hazardous area installation.
- Remote sensor mounting – ease of calibration for inaccessible areas.

Applications

- Petrochemical.
- Pharmaceutical.
- Chemical.
- Manufacturing.
- Aerosol Filling..

The Digi-Cat is designed to interface with a catalytic sensor and has a conventional 4 – 20mA output. The output may be selected by means of a link to be floating, current source or current sink. The input to the unit is a resistive bridge input.



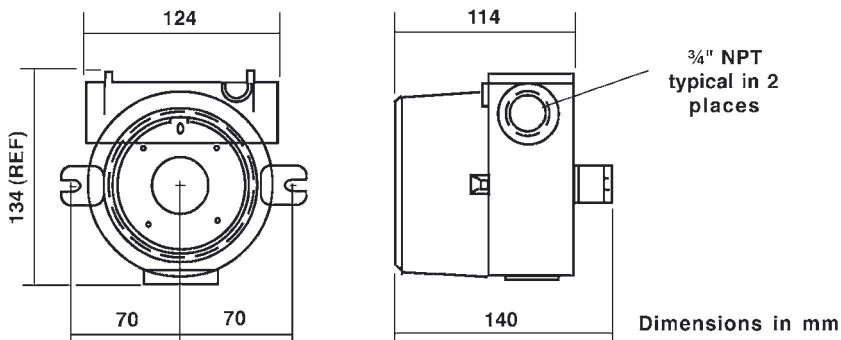
General specification



General Specification*

Input Signal	Bridge signal from catalytic sensor
Ranges	0 – 100% LEL
Output Signal	4 – 20mA floating, current source or current sink
Inhibit Output	2mA
Repeatability	±0.1% fsd
Zero Drift	< ±0.2% fsd
Span Drift	< ±0.2% fsd
Response Time	< 0.5 seconds
Operating Temperature	-20 to +40°C (higher temperature version available +55°C depending on certification)
Storage Temperature	-60 to +80°C
Operating Voltage	18 to 32V dc
Power Consumption	2W
Loop Resistance	800 ohms
Display	3 digit LED
Enclosure Material	Aluminium
Enclosure Entries	1 off sensor entry, 1 off 3/4" NPT cable entry
Mounting Entries	With mounting strap see dimensions below
Weight	1.7kg
Ingress Protection	NEMA 4X equivalent to IP66
CE Standards	BS EN 50081-1:1992 BS EN 50082-1:1992
Certification	EExd IIC T5 (Tamb -20°C to +40°C) Higher temperature option available EExd IIB T5 (Tamb -20°C to +55°C)

* General specification is for Digi-Cat transmitter only, no sensor attached



As World leaders in gas detection solutions, Honeywell Analytics' Sieger systems provide the most efficient, practical and cost-effective fixed-point equipment. Wherever protection is required from flammable or toxic gases, you can rely on our equipment to provide practical solutions and to help keep your business running safely and profitably.

The Sieger range of fixed gas detection



Apex

Typically used in the oil and gas distribution, petroleum extraction and chemical manufacturing industries, the Apex gas detector and transmitter functions across a wide range of detectable flammable and toxic gases. With its rugged 316 stainless steel enclosure, it is especially suited for extreme conditions, and provides a cost-effective gas detection solution for a wide range of applications.



Searchline Excel

Searchline Excel Cross Duct™ is an open path infrared gas detector for the detection of Hydrocarbons within HVAC air intakes and ventilation ducting systems up to 5 meters in width.

It is based on the proven Searchline Excel, which covers ranges up to 200m.

ClearShield™ glass coating, infrared beam and heated optical surfaces all combine to reduce downtime and increase system availability.



Searchpoint Optima Plus

Designed for use in potentially explosive atmospheres in harsh environmental conditions, SearchPoint Optima Plus is ideal where speed of response, reduced maintenance and failsafe operation is essential. Common applications include offshore platforms, production storage and offloading vessels, and oil and gas terminals.



Signalpoint

Signalpoint is a self-contained gas sensor system for either combustible or toxic gases, designed to make installation simple and maintenance minimal. Constructed in strong plastic, it is particularly suited for indoor applications in light industrial environments.



System 57

The System 57 controller provides display and alarm facilities for the full range of gas detectors. It comprises a rack unit with mounting options for channel control cards and interface cards.

Find out more

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Searchflame 16

Searchflame 16 is a range of optical flame detectors for detection of Hydrocarbon and non-Hydrocarbon flaming fires in designated hazardous areas. Operating on UV or UV/IR principles, they have a 120-degree field of view, providing the widest coverage available by any product.



705 HT Sensor

The 705 High Temperature Sensor is a hazardous area certified sensor for the detection of combustible gases.

Please Note:

While every effort has been made to ensure accuracy in this publication, no responsibility can be accepted for errors or omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards, and guidelines. This publication is not intended to form the basis of a contract.
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