# *Silver-Tec*

Instrumentation for your safety ...

# Fixed Gas Detectors
## *Silversafe Series*

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**Silver-Tec** *manufactures a diverse range of industrial fixed gas detection instruments to meet all applications and are designed to operate in the most demanding environments.*
*We offer industry leading design, engineering, installation, calibration, commissioning and maintenance of fixed gas detection systems.*

*The gas detection instruments constantly monitor for the presence of toxic and flammable gases along with the monitoring for low oxygen environments. The devices provide constant monitoring of the area in which the devices are installed, should hazardous gases within the surrounding air exceed permitted levels signals are sent to the control and monitoring centres and the warning and evacuation procedures are initiated.*
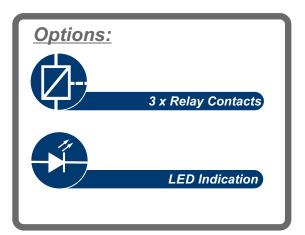
*Gas detection systems designed to protect life and facilities based on legislation which varies from a country to another . Silver-Tec has the experience to design/specify the correct hardware and installation requirements to meet local legislation and specifications. Our application teams are always available to offer technical assistance and support to our customers.*

Our Silversafe range conforms to ATEX product certification,
*Flameproof (Ex d).*

**ATEX**

# Silversafe Series

## Core

**4-20** 4-20mA Analogue Output

## Options:

3 x Relay Contacts

LED Indication

**Silversafe 100**

*Silver-Tec*
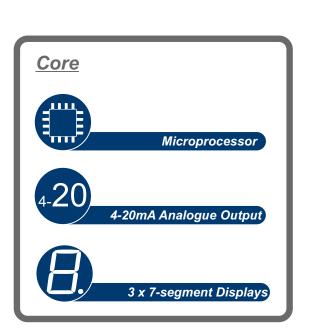*Instrumentation for your safety ...*

## Product Description

Silversafe100 is a detection device for flammable and toxic gases certified to ATEX II 2G- EEx IIC T6 . It is designed for industrial applications featuring Epoxy painted aluminium die casting enclosure to IP65.
Provides a 4-20mA analogue signal outputs as well as optional relay warning - alarm and fault with voltage free contacts.

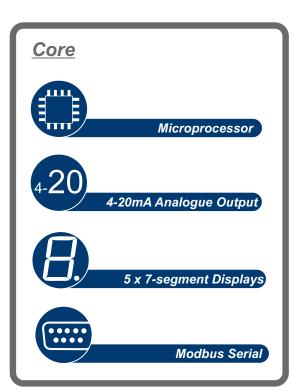*Please refer to Silversafe 100 data sheet for technical details.*

**Ex**
**ATEX**

# Silversafe Series

## Core


**Microprocessor**

4-**20**
**4-20mA Analogue Output**

**3 x 7-segment Displays**

Silversafe 300

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## Product Description

Silversafe 300 is a standalone device, intelligent and non-intrusive detection of flammable gases, toxic, CO2 and oxygen certified to ATEX II 2G - Ex d IIC T6. This microprocessor based intelligent device provides a 4 - 20mA analogue signal output and benefits from a bright 3 digit 7 segment digital display and cursor keypad.

*Please refer to Silversafe 300 data sheet for technical details.*

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# Silversafe Series

## Silversafe 300Plus

### Core

**Microprocessor**

4-20 **4-20mA Analogue Output**

**5 x 7-segment Displays**

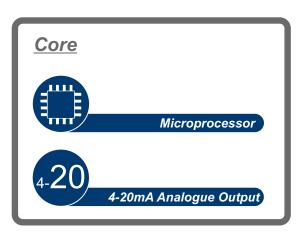**Modbus Serial**

### Options:

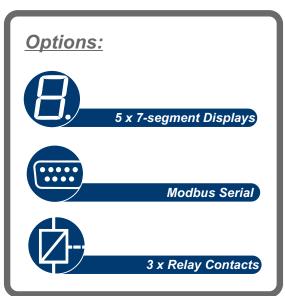**3 x Relay Contacts**

## Product Description

Silversafe 300Plus is a standalone device, intelligent and non-intrusive detection of flammable gases, toxic, CO2 and oxygen certified to ATEX II 2G - Ex d IIC T6. This microprocessor based intelligent device provides a 4 - 20mA analogue signal output and benefits from a bright 5 digit 7 segment digital display, cursor keypad and a bidirectional serial link RS 485 Modbus RTU. There is also an optional voltage free contact for the fault, alarm 1 and alarm 2 signals.

*Please refer to Silversafe 300Plus data sheet for technical details.*

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# Silversafe Series

## Silversafe 500

### Core

**Microprocessor**

4-20 **4-20mA Analogue Output**

### Options:

**5 x 7-segment Displays**

**Modbus Serial**

**3 x Relay Contacts**

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## Product Description

Silversafe 500 is an independent, intelligent and non-intrusive (by implementing the remote IR hand held communicator) detection device of flammable, toxic and oxygen gases. Its very sturdy construction in special marine grade anodized aluminium (anticorodal) alloy makes it particularly suitable for harsh environments such as chemical and petrochemical industry on & offshore. This product is certified to ATEX II 2G - Ex d IIC T6 and benefits from 5 digit 7-segment digital display, magnetic keypad for calibration in a non-intrusive mode and a 4-20 mA analogue output. There is also an optional voltage free contact for the fault, alarm 1 and alarm 2 signals as well as a bidirectional serial link RS 485 Modbus RTU.

*Please refer to Silversafe 500 data sheet for technical details.*

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**Silversafe 300HT**



## Product Description

Silversafe 300HT High Temperature is a special device in explosion proof configuration, ATEX certified, for the detection of flammable gases, the sensor is based on catalytic combustion technology specially built for applications in extreme environments. Suitable to operate in an ambient temperature ranges -50°C to +300°C with a AISI 316L stainless steel enclosure.

The sensor is connected to its series 300 control unit which powers it and provides measurements via a digital display and a 4-20mA output.

**Silversafe Duct**



## Product Description

Special Application- Adapter for detection in air intake duct is an industrial system that allows gas detection devices to conduct surveys in channels and ventilation ducts or pipes. The sturdy mechanical construction enables the possibility of such devices being used in many harsh industrial applications.

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# How to place an order:

You can place your order by specifying an appropriate product number and send it to the contact information mentioned on the bottom of this page.

The product number starts with a selection of the specific gas series followed by:

• Cable Entry Type
• Enclosure Material
• Sensing Technology
• Target Gas
• Gas Detection range
• Options (Please consult datasheets for available options for each of the gas series)

| Silversafe - | Series | - | Entry | - | Material | - | Sensor | - | Gas | - | Range | - | Options |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 100 | | 3/4 NPT | | Aluminium | | Catalytic | | i.e | | i.e | | None |
| | 300 | | M20 | | Anodized Alu | | Electro-Chem | | CH4 | | 0-100%LEL | | Relay |
| | 300P | | | | SS AISI316L | | Infra-Red | | H2S | | 0-1000ppm | | Display |
| | 500 | | | | | | | | | | | | Modbus |

Example Part No.

**Silversafe-500-NPT-AL-C-CH4-100-RD**

Silversafe Series 500
Flammable Gas Detector
Methane
Ch4 0-100%LEL
Aluminium enclosure
¾" NPT Cable Entry
with Relay and Display

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Ex ATEX