

Gas Sensor DAE2112系列 ECO-Sure — 一氧化碳感知器



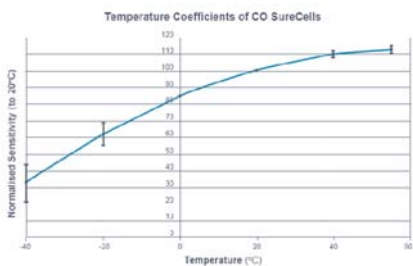
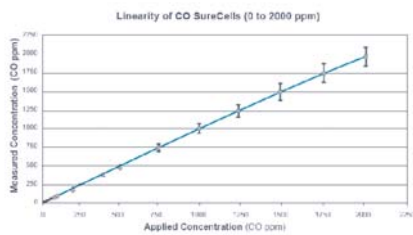
特色

The ECO-Sure 是一個高品質、高成本效益的雙極電化學CO感測器。
適用於工業及火警偵測領域。



規格

- 型號：ECO-Sure
- 訂購編號：2112B3000, 2112B1005
- 原理：2-electrode electrochemical
- 氣體偵測：Carbon Monoxide
- Measurement Range：0-500 ppm
- 最大負載範圍：1,000 ppm
- 預期使用壽命：> 6 年(從出廠日起及正常使用條件下)
- 信號輸出：0.045 + 0.015 μ A per ppm
- LED display：10等級柱狀LED顯示
- Continuous：-10°C to +50°C
- 濕度範圍(不結冰)：15 - 90%
- 反應時間：T90 < 35 seconds at calibration range
- 時間飄移：< 5% per year
- 線性度：< +3%
- 信號輸出：4-20ma
- 工作電源：17v - 27dc, 2w



Gas Type	Concentration (ppm)	Exposure (mins)	Reading (ppm CO)
Acetone	1000	5	0
Acetylene	40	5	80
Ammonia	100	5	0
Carbon monoxide	100	5	100
Chlorine	2	5	0
Ethanol	2000	30	3
Ethylene	100	5	85
Hydrogen	100	5	20
Hydrogen sulphide	25	5	0
Iso-Propanol	200	120	0
Nitric Oxide	50	5	8
Nitrogen dioxide	800	30	20
Sulfur dioxide	50	600	0.5

In the interest of product improvement, Sixt Sense reserves the right to alter design features and specifications without notice. Unless otherwise stated, all product specifications are quoted at standard temperature and pressure.

*Note: The figures in this table are typical values and should not be used as a basis for cross calibration. Cross sensitivities may not be linear and should not be scaled. All data based on a 5 minute gassing. For some cross interferences break through will occur if gas is applied for a longer time period.

Gas Sensor DAE2112系列

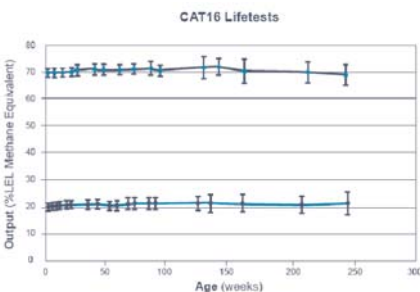
Flammable Sensor

可燃燒性氣體

The Midi of catalytic sensor based on the principle of heat-of-combustion (pellistor sensor). It is designed for the detection of combustible gases and vapors in the range below the lower explosive limit (LEL).

Specifications

Model: Flammable Sensor
Ordering Number: 2118B0106, 2112B1000
Principle: electro-catalytic
Gas type: Methane and references gas
Measurement cell: zellpell MIDI 1 no. 2111B2016
Operation: continuous
Gas entry: by diffusion
Measuring range: 0-100% LEL of flammable gases
Response time t_{90} : < 10 sec for methane
Temperature range: -20 °C to +40°C
Humidity range: 15-90% RH,
Long term zero drift: smaller +/-3% LEL / year
Long term span drift: smaller +/-3% LEL / year
Power supply: 24 V d.c. 100mA
Output :4-20Ma with alarm signal
Expecting life: 24 months after dispatching
Enclosure: aluminum



Relative Response Data*			
Gas/Vapour	Relative Response%	Gas/Vapour	Relative Response%
Methane	100	Ethanol	54
Hydrogen	121	Propan-2-ol	40
Ethane	70	Acetone	42
Propane	61	Bulan-2-one (MEK)	40
Butane	49	MIBK	30
Pentane	42	Cyclohexane	37
Hexane	39	Di-Ethyl Ether	39
Heptane	35	Ethyl Acetate	37
Octane	32	Toluene	35
Ethylene	70	Xylene	26
Methanol	72	Acetylene	39

*Note: These figures are to be used as a guide only. For greatest accuracy, gas detectors should be calibrated with the target gas. In the interest of product improvement Sixth Sense reserve the right to alter design features and specifications without notice.



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Gas Sensor DAE2112系列 O2

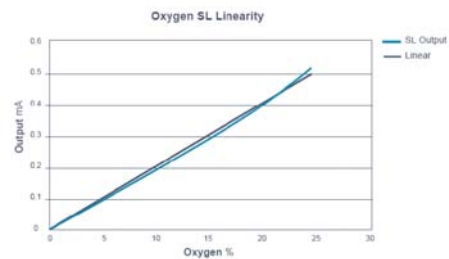
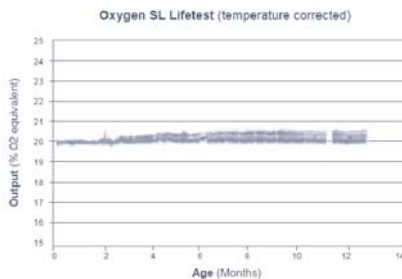
特色

O2感測器模組為一個堅固和高成本效益的氣體分析儀，根據氧氣濃度的電化學測量。此一sensor可以有效校正範圍為0~25%或0~100%氧氣濃度。



規格

- 型號: O2 Monitor
 - 應用: industrial O2 monitoring
 - 原理: 2-electrode cell
 - Measurement Range: 0-25% v/v
 - 最大負載範圍: 30 v/v
 - 反應時間: 10 sec (t90)
 - 暖機時間: less than 60sec.
 - 輸出信號: 4-20mA
 - 溫度範圍*: Continuous: -10oC to +50oC
 - 濕度範圍 (不結冰): 15-90% RH
 - 電源: 18-30VDC
 - 預期使用壽命: 18 months
 - 溫度飄移係數: <+0.2% of signal per ° C
 - 時間飄移係數: <+2% of signal per month
 - 重覆度: <+1% of signal
 - 儲存壽命: 6個月在密封合內需啟用
 - 保存條件: 10-20° C, 45-75% RH in clean air
 - 保固期限: 從出廠日起一年
- 訂購碼: 2112B4530



Cross Sensitivity Data		
Gas	Concentration	Typical O ₂ Equivalent
Hydrogen	100%	-5%
Methane	100%	0
Nitrogen Dioxide	25ppm	0

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*Note: High concentrations of acid gases (eg Cl₂, SO₂, NO₂) will enhance sensitivity to oxygen. Signal will increase by approximately 0.3% per 1.0% acid gas present.

Gas Sensor DAE2112系列 CO2

特色

DAE2112 CO2氣體感測器一款微處理器為基礎的紅外線CO2感測器。其感應所吸收之波長反應CO2氣體濃度而不受其他水氣特性干擾。

規格

- 型式:紅外線原理 CO2 Sensor(壁掛式)
- 應用:一般建築(2000ppm型)訂購碼:2112B9000
工業CO2監測(0%-5%) 訂購碼:2112B9050
- 原理:Double beam infrared absorption
- 範圍:0-2000ppm or 0-5 Vol.% CO2
- 反應時間:30 sec (t_{90})
- 暖機時間:less than 60sec.
- 輸出信號:一般建築(0-4VDC)
工業CO2監測(4-20mA)
- 溫度範圍:-10°C to +50°C
- 濕度範圍(不結露):0%-90% RH
- 電源:18-30VDC
- 預期使用壽命:5年

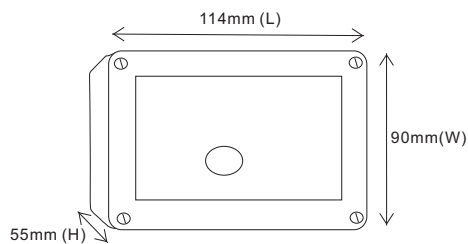


工業CO2監測(0%-5%)

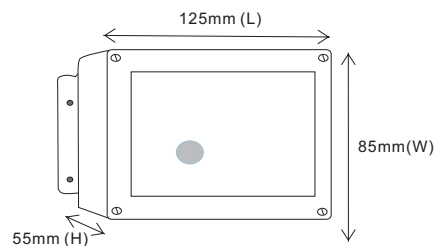


一般建築(2000ppm型)

尺寸圖



Enclosure of ECO,CO,CO2 Sensor



Enclosure of Flammable Sensor



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