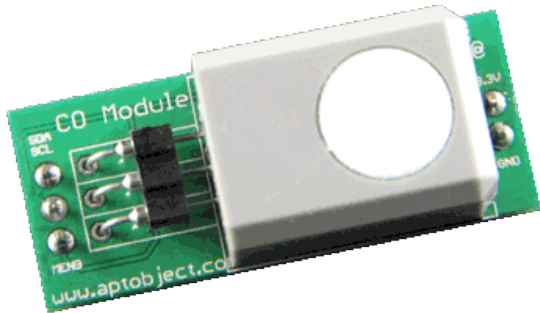


# AptBee 一氧化碳濃度偵測模組



應用於室內空氣品質監測、安全監控或無線感測網路中偵測安裝位置附近之一氧化碳濃度值。

## 規格

型號	MOD_CO_1402
偵測氣體	一氧化碳
感知原理	電化學式
偵測範圍	0 ~ 1,000ppm
精確度	± 5%
響應時間 (90%)	< 30 秒
受溫度飄移影響 (zero)	< 10ppm (-20 to 50°C)
長期飄移	< 5% (每年)
感知元件有效期間	5 年
建議操作環境溫度	-20 to 50°C
建議操作環境濕度	15 to 95% 相對溼度
建議保存環境溫度	0 to +20°C
供應電源	2.7 ~ 3.6VDC
消耗功率	0.2W (最大值)
通訊介面	I <sup>2</sup> C
尺寸 (mm)	37(長) 15.5 (寬) 9(高)

## 特徵

- 體積小
- 精確度高
- 耗電量低
- 量測範圍廣
- 感知元件壽命長

## 應用

- 一氧化碳濃度偵測
- 室內空氣品質監測

## 說明

此一氧化碳濃度偵測模組採用低耗電量、高精密度與使用壽命長的電化學感測元件，透過本公司研發設計的類比/數位轉換電路將每 1ppm 約 40 nA 的信號轉換為數位信號輸出。此模組與微控制器的介面採用常見的 I<sup>2</sup>C 匯流排，整合容易。

以此模組製成有線或無線一氧化碳感測裝置，可

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