

MIX2811 Carbon Monoxide Detection Module

Version No.:1.4

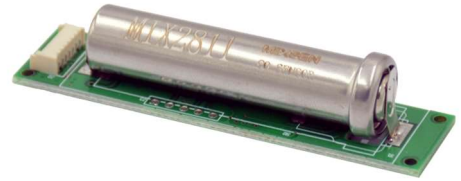
Features:

- * Lower power consumption
- * High sensitivity
- * Multiple interfaces
- * Long life

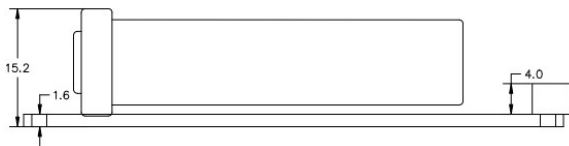
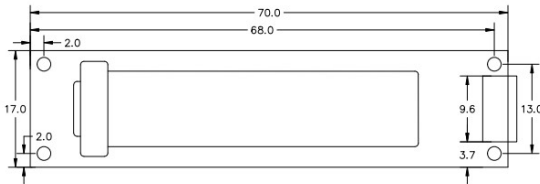
Application:

- * Indoor CO detection
- * Smart home
- * Gas water Heater
- * Automatic fans

MIX2811 is a generality electrochemical carbon monoxide detection module. It utilizes electrochemical principle to detect CO in air which makes the module with high selectivity and stability. Each module has UART, can be calibrated. It is easy to connect with the customer product.



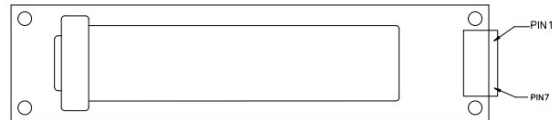
Dimensions:



Side View

Unit: mm

Pin connections:



Top View

No.	Pin Name	Function
1	CAL	Adjustable Input In Air
2	P1	Customized Outputs
3	GND	Common Ground
4	VDD	Input Voltage
5	RXD	UART(RXD) Input
6	TXD	UART(TXD) Output
7	P2	Customized Outputs

Specification:

Item	Specification
Measurement Range	0~500ppm
Resolution	1ppm
Sensor	Electrochemistry
Working Voltage	4.5~5.5V DC
Working Current	<1mA Average
Accuracy	±50ppm(Calibration Value)
Preheating Time	30 Seconds
Response Time	T ₉₀ <30 Second
Inspection Interval	1 Second
Working Conditions	-10~55°C/0-90%RH(No Condensation)
Storage Conditions	-10~55°C/0~90%RH(No Condensation)
Communication Interface	UART (3V Electrical Level)
Size	39×17×15.4mm(L×W×H)
Anticipated Using Life	>10 years

Cautions:

- * Please do not put the module in organic solvent (include silica gel and other cementing compound), painting, medicament, oils and fuels, high concentration gas etc.
- * The module is an ESD-sensitive module, so we recommend that ESD protection equipment be used during usage and assembly the module in the application products.
- * The accuracy in the data sheet is date before delivery. If with long term storage, after re-calibration, the accuracy can be recovered.
- * Keep the module out of the heat source, avoid direct sunlight and other heat radiations.
- *Periodic calibration is necessary, no more than 6 months is recommend.
- * Please warm up for 5 min before first using.
- * Please do not use the module related with personal safety.
- * Please do not install the module in the severe convection environment.
- * Please do not put in the module in high concentration organic gas for long time

Shenzhen Mixsen Electronics Co., Ltd
 Add.: 4K-2, No. 12 Building, Wangtang industrial area, Xilixinwei village, Nanshan district, Shenzhen, China
 Post: 518000
 Tel: 86-755-86635585
 Mail: sales@mixsen.com
 Website: <http://www.mixsensors.com/>