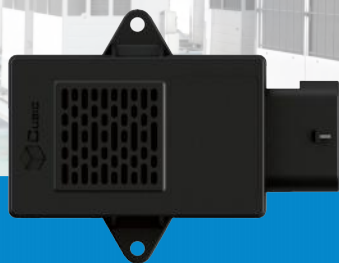


A2L and A3 Refrigerant Gas Sensor

IEC60079-29-1 & UL 60335-2-40 Compliant



**A2L and A3
Refrigerant Gas Series
AM4205-LC**



**Industrial Grade Full Configuration
Refrigerant Gas Series
AM4203-FC**

Designed specially for A2L refrigerant gas and A3 refrigerant gas leakage detection, target gases R32, R454A, R454B, R454C, R1234yf, R1234ze or R290.



Excellent Accuracy



Fast Response



Free of Calibration



Superior Long Life Time



IEC60079-29-1
UL 60335-2-40
Compliance



Turn Key OEM Service



Large Scale Production

A2L and A3 Refrigerant Gas Sensor Key Parameters

Measured Gas	R32	R454A	R454B	R454C	R290
100%LFL Volume Concentration	14.4% vol	8.4% vol	11.68% vol	7.9% vol	2.1% vol
Measured Range	0~50%LFL extendable up to 100%LFL				
Accuracy	±2.5%LFL				
Resolution	0.1%LFL				
Response Time	T64<30s when plunge tested at 25% LFL; T25<10s when plunge tested at 100%LFL				
Sampling Frequency	1Hz				
Power Supply	AM4205-LC: 5±0.2V DC, ripple wave<50mV; AM4203-FC: 12~24V DC, ripple waves≤100mV				
Communication Output	AM4205-LC: UART_TTL(3.3V), 0.8~4V Analog; AM4203-FC: RS485, Relay output				
Working Temperature	-30°C~70°C				
Protection Rate	IP54 (IP65 could be customized)				
Dimension	AM4205-LC: 76.8*59.2*19mm; AM4203-FC: 115*70*30mm				
Life Time	>15 years				

Portable Infrared Refrigerant Gas Leak Detector

OEM solution for low-concentration refrigerant gases leakage detection.



NDIR technology based portable detector for refrigerant gases leakage alarm, with advantages of high selectivity, low cross-interference, high sensitivity, low measurement range, excellent stability and long lifetime.

Picture is for reference only.



NDIR
Technology



Superior Long
Life Time



Visible & Audible
Alert

Features

- Detecting CFC, HCFC, HFC, HFO, blends (including A2L) .
- Selectable sensitivity levels of high, medium and low.
- Free from trigger on oil or moisture.
- High capacity rechargeable battery to support at least 10-hour working.

Portable Infrared Refrigerant Gas Leak Detector Key Parameters

Sensor Type	NDIR
Refrigerants	CFC, HCFC, HFC, HFO, blends (including A2L)
Sensitivity Level	High, medium and low
Response Time	<1s (typical value)
Recovery Time	<5s (typical value)
Battery Type	Lithium-ion
Auto Poweroff	10min without detection or button press
IP Grade	IP54/IP65

This is an OEM product concept for reference only. For more details, please contact with us: info@gassensor.com.cn

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All products are in continuous development and therefore specifications may be subject to change without prior notice.