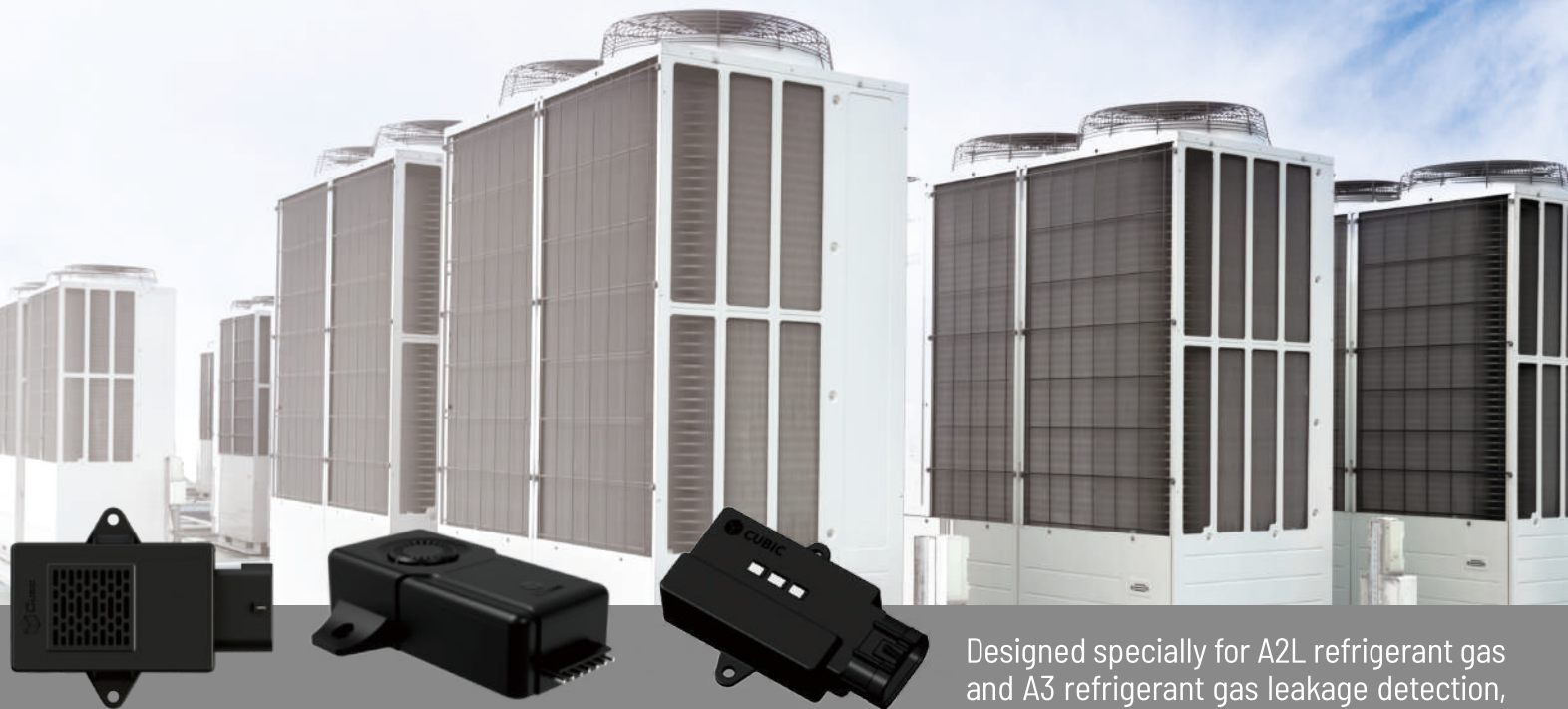


A2L and A3 Refrigerant Gas Sensor

UL 60335-2-40 and IEC 60335-2-40 Certified



AM4205H-LC

AM4203H-FC

AM4203H-DR

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



Auto Base Line Calibration Mechanism



Superior Long Life Time



UL60335-2-40
IEC 60335-2-40



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	0-100%LFL				
Accuracy	±2.5%LFL				
Resolution	0.1%LFL				
Response Time	T ₆₄ <30s when plunge tested at 25%LFL; T ₂₅ <10s when plunge tested at 100%LFL				
Sampling Frequency	1Hz				
Power Supply	AM4205 Series: 5±0.5V DC AM4203 Series: 12~36V DC AM4203-DR Series: 12~36V DC				
Communication Output	AM4205 Series: RS485+Modbus AM4203 Series: RS485+Modbus+one SPDT relay AM4203-DR Series: RS485+Modbus+two SPDT relays				
Working Temperature	-30~70°C (-40~95°C optional)				
Protection Rate	IP54				
Dimension	AM4205 Series: 76.8*59.2*19.5mm, with wire harness optional AM4203 Series: 96.6*81.3*29.7mm AM4203-DR Series: 100.4*74*27.3mm				
Life Time	>15 years				

Portable Infrared Refrigerant Gas Leak Detector

OEM solution for low-concentration refrigerant gases leakage detection.



Picture is for reference only

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



NDIR
Technology



Superior Long
Life Time



Visible & Audible
Alert

Features

- Available for kinds refrigerants detection, including A1,A2L,A3
- Selectable sensitivity levels of high, medium and low
- Free from trigger on oil or moisture.
- High capacity rechargeable battery to support at least 8-hour working

Portable Infrared Refrigerant Gas Leak Detector Key Parameters

Portable Infrared Refrigerant Gas Leak Detector Key Parameters	
Sensor Type	NDIR
Refrigerants	CFC,HCFC,HFC,HFO, blends etc.
Sensitivity Level	High, medium and low
Response Time	<5s (typical value)
Recovery Time	<5s (typical value)
Battery Type	Lithium-ion
Auto Poweroff	10min without detection or button press
IP Grade	IP54

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