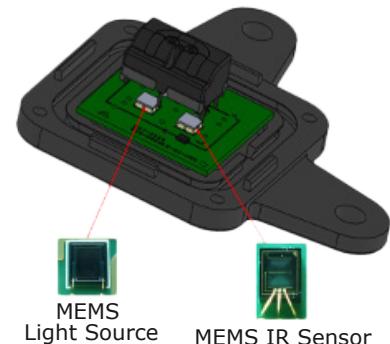


Outline

Mitsumi's GLSA01-MW24 utilizes Non-Dispersive Infra-Red(NDIR) technology to detect leakage of A2L refrigerant gases. We employ our own MEMS light source and MEMS Infra-red chip inside the GLSA01-MW24 to generate and absorb infra-red radiation impacted by presence of R454B and R32 refrigerant gases. This combination has been proven to reduce effects of cross-sensitivity and provide higher sensitivity and accuracy than other current technologies.

**Features**

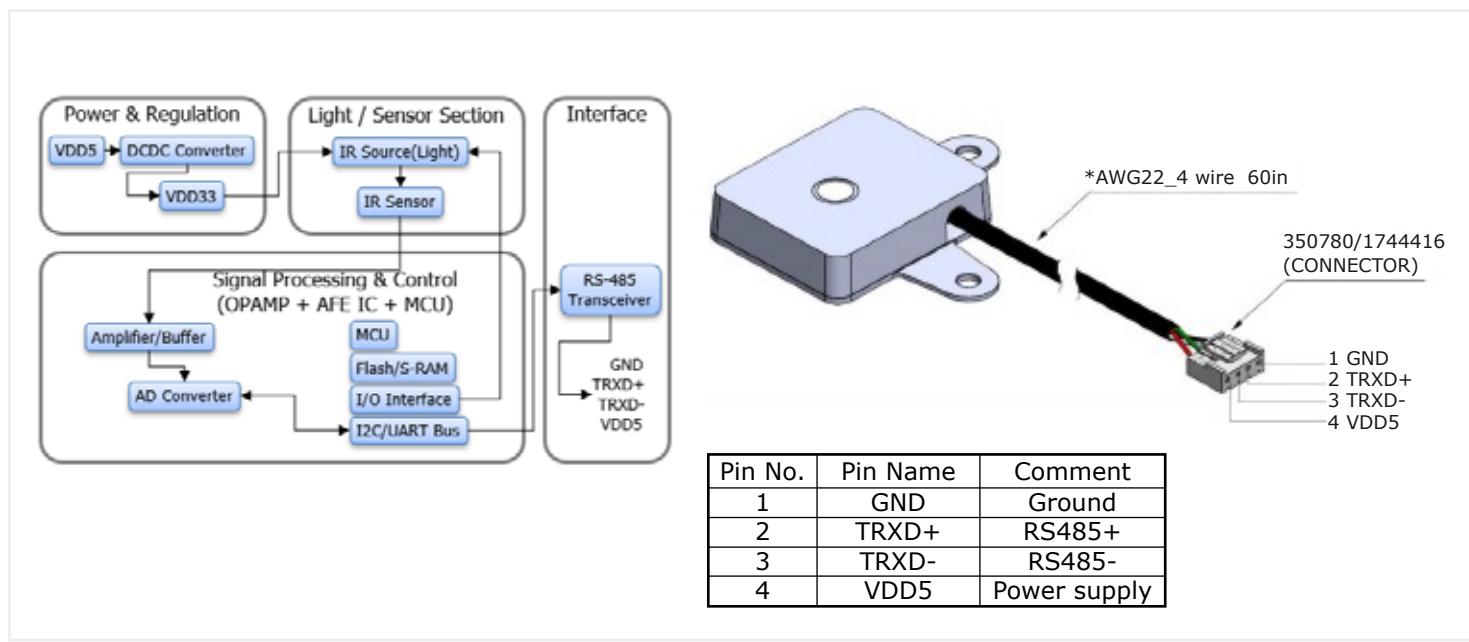
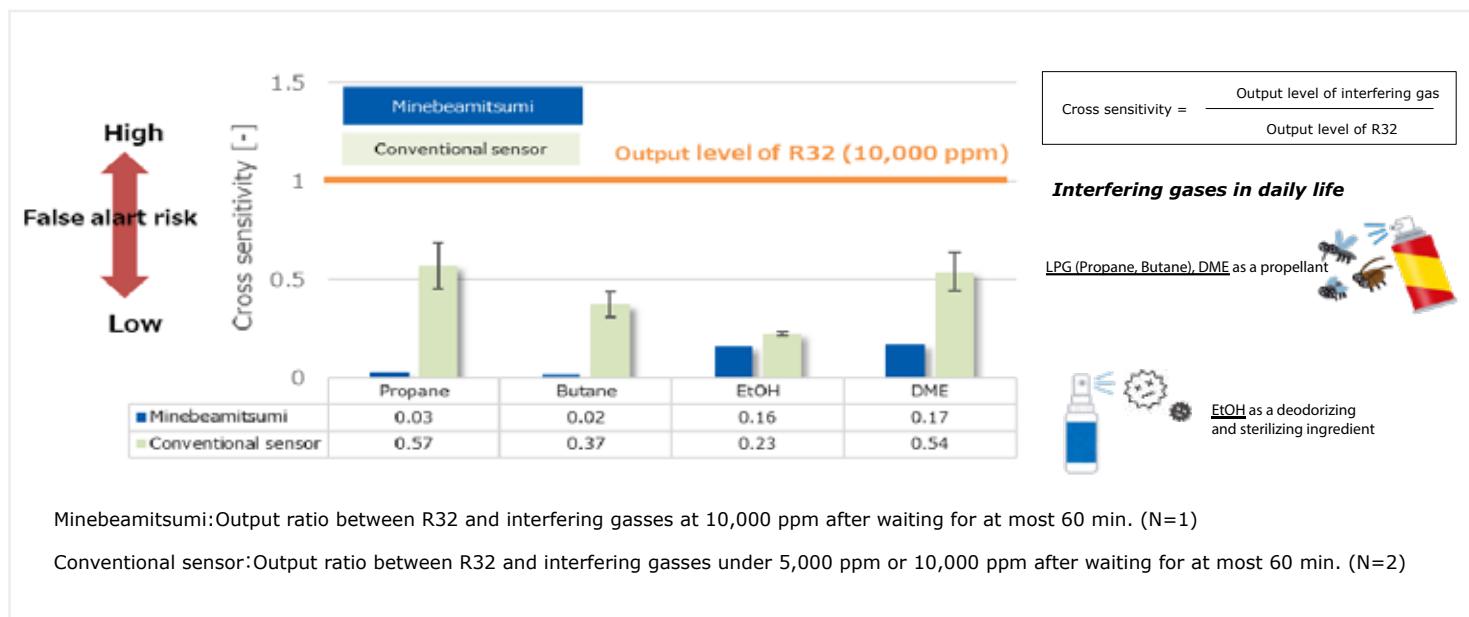
- Excellent gas selectivity and low drift
- Small size and low profile
- Mechanical and environmental robustness
- IP54 Protection
- UL60335-2-40 Ed.4 compatible

Applications:

- HVAC&R systems
- Equipment using refrigerants

Specifications

Description	Unit	Characteristics
Detection Target	-	R32
Operating Temperature	°C	-40 to 80
Storage Temperature	°C	-40 to 85
Input Voltage	V	5 ± 10%
Current Consumption	mA	≤ 100
Cable	-	4P - 5FT - UL2464 22AWG
Connector	-	VH 4pin (JST)
Interface	-	MODBUS RTU/RS485
Alarm Threshold	ppm	No Setting
Concentration Tolerance	%pt.	≤ 5
Effective Resolution	ppm	≤ 100
Response Time	s	≤ 13
Self Malfunction Detection	-	Possible
Data Sampling Interval	s	1
Ingress Protection Level	-	IP54
Cross Sensitivity	-	< 0.1 (for LPG) < 0.5 (for ethyl alcohol and DME)
Siloxane Poisoning	-	Degradation-free
Compatibility Standard	-	UL 60335-2-40 Ed.4, ASHRAE15/15.2(2022) IEC60335-2-40 Ed.7
Expected Lifetime	Years	15

Block Diagram**Cross Sensitivity**

- Any products mentioned in this catalog are subject to any modification in their appearance and others for improvements without prior notification.
- The details listed here are not a guarantee of the individual products at the time of ordering. When using the products, you will be asked to check their specifications.