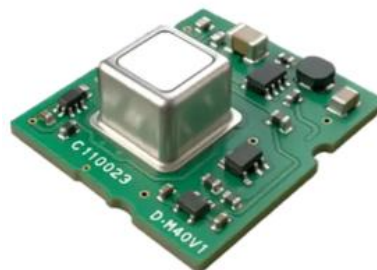


CO₂ Leakage Component (PA) - Preliminary

CO₂ Refrigerant Detection System for Cooling Facilities
based on Photoacoustic NDIR Measurement Principle

Applications

- Ambient shopping area
- Machinery rooms
- Cold rooms



Highlights

- Calibrated gas concentration sensing
- EN 14624 conform, UL2075 certifiable
- Dual relay output & digital interface
- Highly intrinsically stable
- Maintenance-free, 15 year lifetime
- Status indication via LED

Sensor Target Specifications

Parameter	Details	Min.	Max.	Unit
Measurement range		0	5	vol%
Accuracy	For > 1 g/m ³ humidity (non-condensing) and -20°C to +50°C		50 + 10%	ppm m.v.
Operating temperature		-40	70	°C
Relative humidity	Non-condensing, max. dew point 35°C to meet specs	0	95	%RH
Operating dew point			35	°C
Pressure range		750	1'100	hPa
Response time (t63)			30	s