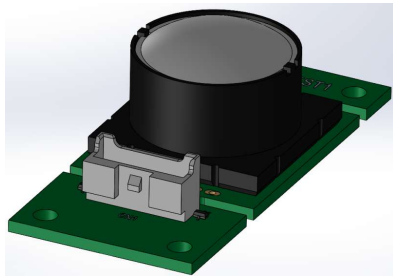


R290 Refrigerant NDIR Sensor

Tentative Specifications

Under Development	
Model number	FCM7210
Alarm set point	R290: 10~20%LFL
Circuit voltage	DC 3.3~5.5V
Accuracy	Alarm set point $\pm 3\%$ LFL (25°C, 50%RH) Alarm set point $\pm 6\%$ LFL
Response time	30 sec.
Operating temperature	-40~85°C
Operating humidity	0~95%RH
Current consumption	Ave. 10mA (Max 80mA)
IP level	IP5x (TBD)
Dimensions	W56.5*D26.0*H17.5 mm
Output signals	Open-Collector/I2C/UART
Self diagnosis	Every measurement
Lifetime	> 15 years
Designed to	IEC60335-2-40 / UL 60335-2-40 Edition 4.1
Applications	Leak detection for heat pump, air conditioning, refrigeration systems