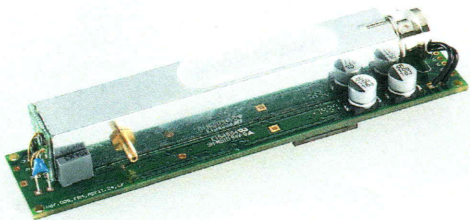


**Under development**

# NDIR CO<sub>2</sub> sensor

High accuracy, wide operation temperature range

## IR-91



IR-91 can accurately detect carbon dioxide levels between 0 to 20,000 ppm. This gas monitor is suitable for applications in Indoor Air Quality (IAQ), HVAC, safety, and other industries.

### Features

- Wide operation temperature, - 40 to 60 °C
- High accuracy, +/-100 ppm or 7% of reading
- No onsite re-calibration required
- No false alarm

### Specifications

Item	Contents
Measurement Method	Dual Beam NDIR (Non dispersive infrared)
Sample Method	Diffusion or flow through
Measurement Range	0 to 20,000ppm
Operating Temp. Range	-40 to 60°C ( 0-95% RH, non-condensing)
Storage Range	-40 to 70°C, 95%RH
Temperature Dependence	Typ. ± 0.4% of reading per °C or ± 4 ppm per °C
Dimension	100(W)x21(D)x15.5mm
Option	Micro blower

The feature of IR-91 is wide working temperature range from - 40 deg. to +50 deg.  
The feature of IR-92 is high mechanical strength for automotive.  
The feature of IR-93 is low price and PWM output.