



**CO₂ , TEMPERATURE, HUMIDITY AND
BAROMETRIC PRESSURE SENSOR**

Model - GC-LP8P

FEATURES

- Military Grade Non-Dispersive Infrared (NDIR) Technology
- Industrial CO2, Noxious Gas, Temperature, Humidity & Barometric Pressure Sensor
- Plug & Play – No On-Site Setup
- Unattended Real-Time Monitoring
- RF & GSM Communication Technology Options
- Climate Gauges for Sensor Calibration
- Reporting and Alarming to 3rd Party Software
- NEMA 4 Polycarbonate Enclosure – Weatherproof, Impact & UV- Resistant.

AUTOMATIC SENSOR CALIBRATION

Barometric pressure, proximity to sea level and temperature data are used by the sensor to compensate for variations. The device periodically performs automatic calibration routines without user interaction.

APPLICATIONS

- Air Quality Monitoring in Standard & Extreme Conditions
- Global Environmental Surveillance – Atmospheric CO2 & Noxious Gas Sensing
- Safety for Confined Spaces Such as Tunnels & Garages
- Measures & Reports Ambient Air Pollution
- Air Quality Planning & Advisories



SPECIFICATIONS

Connectivity : LAN

Optional Connectivity : NB IoT, LoRa, GSM, WiFi

Measurements : CO2, NH3, NOx, Alcohol & Benzene (0-5000 ppm) – Automatic Temperature Calibration

Accuracy : Gasses ($\pm 0.75\%$) | Temperature ($\pm 1\%$) | Humidity ($\pm 3\%$) | Barometric Pressure ($\pm 0.25\%$)

GIS Mapping : Optional GPS Module

On-Board Data Storage: Micro-SD Slot

Ingress Protection : NEMA 4 IP 66 Enclosure

Power Supply : 5-12 VDC | Power over Ethernet | Optional AC/DC Converter | Optional Solar Kit

Extended Temperature Range : -34°C to $+74^{\circ}\text{C}$

Lifespan: 10 Years

Weight : 5 lbs

Mounting : Wall, Pole (with pole adaptor)

Certifications : FCC & UL