CO$_2$ Sensor

Introduction

This is a low power, high performance CO$_2$ sensor used for environment controlling and monitoring system. Based on infrared LED technology and innovative optical designs, the environment sensor combines the accuracy of NDIR technology with wide-range CO$_2$ measurement in a flexible package.

Features

- Wide range of CO$_2$ measurement
- Direct CO$_2$ reading via power line
- IP 65 enclosure

Applications

- Indoor Air Quality Monitoring
- Ventilation Management

Specifications

AC Supply Voltage	90V to 250V, 0.2A
Warm-Up Time	< 10 s
Operating Condition	0 °C to 50 °C, 950 mbar to 10 bar
Measurement Interval	500 ms
PL Communication	Echelon PL 3120, LonTalk
CO$_2$ Measurement Range	5% to 100% PPM
Dimension	TBD
Approval/Qualification	Pending

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