

Overview

The Hammer CO₂ Sensor 1701 is a high-precision device designed to monitor and measure carbon dioxide levels in various environments, including industrial, commercial, and environmental applications. Engineered with advanced infrared (NDIR) technology, it provides accurate and reliable readings to ensure optimal air quality and safety. Its durable design and robust enclosure make it an ideal solution for demanding conditions, while its flexible connectivity options allow seamless integration into automation and monitoring systems. Whether used for HVAC applications, industrial process control, or greenhouse monitoring, this sensor delivers consistent performance with minimal maintenance requirements.



Key Features & Applications

- **High-Precision CO₂ Monitoring:** NDIR technology ensures accurate detection up to 30,000 ppm.
- **Durable & Resilient:** ALU housing protects in harsh environments; operates reliably from -25°C to +50°C with a built-in heater.
- **Versatile Integration:** Supports analogue and digital outputs, including alarm functions for CO₂ levels.
- **Long Lifespan:** Designed for up to 15 years of reliable operation.
- **OEM:** Engraving available for orders of 100+ units.
- **Ideal for Multiple Industries:** HVAC, safety monitoring, greenhouses, laboratories, and food storage applications.

Specifications

- **Input Voltage:** 10-12VDC
- **Output Voltage:** 0-10VDC
- **CO₂ Detection Range:** 0 - 30,000 ppm
- **Alarm Levels:** Configurable for 5,000 ppm (hygienic limit) and 10,000 ppm
- **LED Indicator:** Green LED indicates power-on status
- **Connection:** Fixed cable (standard length: 10 meters)
- **Sensor Dimensions:** Diameter 92 mm, Height 24.50 mm
- **Heat-Up Time:** Approx. 1 minute (full specification within 15 minutes)

Variants

#1701-00 (Base Model): 12VDC;3.4V/5000ppm/10000ppm

#1701-01: 12VDC;10V/5000ppm/10000ppm

#1701-02: 12VDC;3.4V/5000ppm

#1701-03: 12VDC;3.4V/10000ppm

#1701-04: 12VDC;10V/10000ppm

#1701-05: 12VDC;3.4V/30000ppm

#1701-06: 12VDC;Relay/5000ppm/10000ppm

#1701-07: 12VDC;3.4V/2500ppm/5000ppm

#1701-08: 24VDC;Relay24V/5000ppm/10000ppm

Specials

We can manufacture customized variants within the specified range to meet your unique requirements. Additionally, we offer OEM versions with your company logo engraved for orders of 100 pieces or more.

For variants and specifications see below.

Why Choose the 1701 CO₂ Sensor?

The Hammer CO₂ Sensor 1701 stands out for its accuracy, reliability, and ease of integration. Built with industrial-grade components, it ensures stable and precise measurements over extended periods. Its rugged design makes it suitable for harsh environments, while its flexible connectivity options enable seamless communication with modern automation and monitoring systems. With a focus on energy efficiency and long-lasting performance, this sensor offers a cost-effective solution for businesses seeking to enhance air quality management. Whether you need it for industrial applications, agriculture, or laboratory settings, the Hammer CO₂ Sensor 1701 is a dependable choice that delivers consistent results with minimal maintenance.

For pricing, availability, or any further inquiries, please feel free to contact us:

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