

**MODEL: GSC-1.0**

APPLICATIONS

- HVAC System
- Fruit Ripening chambers
- Cold storage
- Cold room
- Greenhouses
- Commercial Buildings

CARBON DIOXIDE TRANSMITTER (CO₂)

Carbon Dioxide Transmitters are designed for Environment monitoring and controlling in industrial application and commercial buildings.

In advanced CO₂ sensor element with infrared Sensor, there is a module integrated in the sensor unit With Controller, analog output and power supply. The IR measurement principle with integrated temperature Compensation ensures highest accuracy, selectivity and reliability despite the long calibration interval.

The Controller calculates a linear 4 - 20 mA (or 0-10V) signal out of the measurement signal of the IR sensor and also stores all relevant measured Values and data of the sensor element.

This sensor transmitter is widely used in various industries for different applications like modified atmospheres, Cold Room , Cold Storage , HVAC, Indoor air quality, stowaway detection, confined spaces, cryogenics, cellar and gas stores, mining, marine vessels, ventilation management, rebreathes. Air monitoring of supply, exhaust and return air, Air monitoring in critical environment such as outside air other applications of combustion measurement.

FEATURES

- High accuracy, selectivity and reliability.
- Digital measurement value processing incl. temperature compensation.
- Low zero point drift.
- Fast Response.
- Sensor life time > 5 years.
- Easy maintenance and calibration by exchange of the sensor unit or by comfortable on-site Calibration
- 4 - 20 mA (or 2 - 10 V) analog output with selectable signal output for special mode, fault etc.
- Reverse polarity protected, overload and short-circuit proof.

TECHNICAL SPECIFICATIONS

Parameters	Description
Sensor	Digital NDIR
Range	0-2000 ppm, 0-5000 ppm, 0-10,000 PPM
Output	4-20mA, 2-10 VDC, 0-20mA, 0-10 VDC
Accuracy	± 3%
Response Time	< 10s (25°C, in slow air)
Power	24 VDC
Output Load	500 Ω (current), > 2K Ω (voltage)
Temperature Limit	-20 to 80°C
Storage Temperature	-40 to 100°C
Housing	ABS Enclosure
Warranty	12 Months Manufacturer Warranty



MULTITECH CONTROL SYSTEMS

GF-09, Green Plaza Complex, Opp. City Gold Cinema,
Bopal – Ambli Road, Ahmedabad,
Gujarat, India.-380058



+91 79 8499 9625
+91 99 0904 4060



info@multitechcontrolsystems.com
multitech_control@yahoo.com



www.multitechcontroslsystems.com