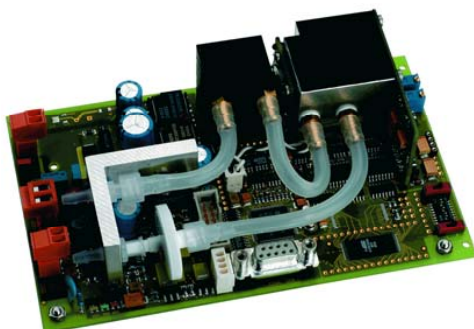


Karbondioxyd & Sauerstoff

Carbon Dioxide & Oxygen



CARBONOXY measure stable and accurate CO₂/ O₂

The **CARBONOXY** is a unique device for measuring CO₂ and O₂ on a Euro-PCB. Carbon Dioxide is measured using the dual wavelength technique (NDIR non-dispersive infra red) while Oxygen is measured using Zirconium Oxyde. This combination ensures a quick response time along with elimination of interference from other gases.

With various DIP switches on the circuit board, the response time for the analyser can be adjusted 1 or 30 seconds. It is possible to do automatic temperature correction or zero point adjustment can be made. The entire circuit boards is constantly monitored by a microcontroller and LED's in various colours can indicate alarm states and out of range values.

The power consumption of the combination is a maximum of 6 watts and hence is suitable for a portable, compact measuring device. All electronics meet the latest European EMV regulations.

Features

Gas Specific	No Reference Gas Is Needed	Self Calibration	Long Lifespan
Compact	Low Power Consumption	Long Time Stable	

Applications

Fruit Storage	Horticulture Glass House	Mushroom Farming	Brewing
Fruit Storage	Landfill Gas Monitoring	Livestock Husbandry	Medical

Specifications

		CO ₂	O ₂	
Messprinzip		NDIR	Zirconia	Principle of operation
Messbereiche		0...10, 30%	0...25, 95%	Measuring ranges
Genauigkeit		<±2%FS	<±0,5%FS	Accuracy
Stabilität		<±2%FS/year	<±0,5%FS/year	Stability
Wiederholgenauigkeit	Nullpunkt	<±0,5%FS		Zero
	Endwert	<±2%FS		Full Scale
Ansprechzeit T ₉₀		1 or 30sec adjustable		Response time T ₉₀
Betriebstemperatur		-10...+45°C		Operating temp.
Aufwärmzeit		2min		Warm-up time
Feuchte		unaffected by 0...98% r.h. (non-condensing)		Humidity
Speisespannung		11,5...30VDC		Supply
Leistungsaufnahme		6W		Power consumption
Ausgangssignale		2 x 0/4...20mA, 0/2...10VDC, RS232/19'200Baud		Outputs
Lebensdauer			>3 years	Life span
Durchflussrate		0,5...1l/min		Flow rate
Abmessungen		160 x 100 x 40mm		Dimensions
Gewicht		380gr		Weight

We are here for you. Addresses and Contacts

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