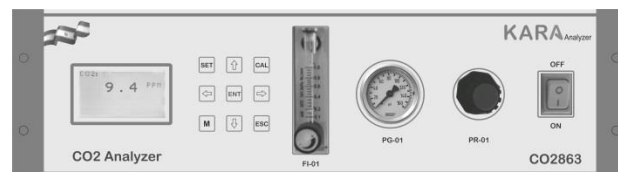


CO2 Analyzer in ppm Range

Data Sheet

CO2863

The CO2863 is an extractive-type CO2 analyzer designed with a NDIR measuring method. This analyzer have numerous applications in processes requiring the precise measurement of CO2 level In ppm levels, safe areas or hazardous ones, in various process conditions.



Key Features

- ✓ Fast response time
- ✓ Simple and easy operation
- ✓ Low maintenance and cost of ownership
- ✓ Multiple Analog and Digital Outputs
- ✓ Measurement concentration display
- ✓ Contact output signal : Relay contact output 2 points
- ✓ Output hold function: Output is held during calibration and blow-down
- ✓ Explosion-proof (Optional)
- ✓ Repeatability: $\pm 0.5\%$ FS or less
- ✓ Linearity: $\pm 0.5\%$ FS or less
- ✓ Zero/span drift/Week $< \pm 2\%$ of full Scale
- ✓ Response time (T90) < 20 sec
- ✓ RS232/RS485 serial data output
- ✓ Two isolated 4-20mA/0-20mA as standard
- ✓ Power supply voltage: 90 to 240V AC or 24VDC
- ✓ Working Temperature: -20 to 55'C

FAST RESPONSE

STABLE

RELIABLE

ACCURATE

EASY TO INSTALL

USER FRIENDLY

CO2 Analyzer in ppm Range

Data Sheet

CO2863

Specifications

Analyzer	
Measuring Method	NDIR
Analysis	Continuous
Range	0-10 ppm(v) 0-100 ppm(v) (Optional) Other than this (Optional)
Accuracy	<0.1% of Reading or < 0.1ppm(v)
Repeatability	<0.1% of Reading or < 0.1ppm(v)
Linearity	<0.1% of Reading or < 0.1ppm(v)
Response time (T90)	<20 seconds
Zero Drift/Week	2% of Reading or 0.2ppm(v)
Span Drift/Week	2% of Reading or 0.2ppm(v)
Warm Up Time	<20min
Supply Voltage	85~264VAC (40 to 65HZ) or 24VDC
Power Consumption	25W
Analog Outputs	Two Isolated 0-20mADC - 4-20mADC 0-10VDC (Optional)
Alarm	Two Dry Contact (2A 220V) One Alarm 24VDC
Serial Data Output	RS485 , RS232(Optional)
Dimensions	483mm (19") x 478mm (18.8") x 133mm
Weight	18Kg
Sample Gas	
Temperature	0 to +50°C
Pressure	From 0.01 bar 12 bar
Dew Point	< 5°C
Flow Rate	300 - 3000ml/min
Sample Inlet/outlet connections	1/4"