Carbon Monoxide Analyzer

Vair-9003

CO
Analyzer

20.03

MODEL: Vair-9003

CO Analyzer

Vair-9003 CO Analyzer is the analyzer that measures minimum amount of CO in air correctly through the optical curved mirror which has long light path and durability, using the Non-dispersive Infrared Analysis Method (NDIR GFC). Vair-9003 is equipped with the specially designed GFC wheel with no leak for a long time and the stable infrared lamp (IR Source).

All gas analyzers of Vair series were equipped with screen interface design using TFT-LCD & Touch screen so that user can operate the analyzer and maximize the visual image, and MCU applied to the analyzer is ARM 11 32bit processor and operates based on Linux Kernel 2.6 which maximizes the system stability due to mutiprocessing.

In addition, the analyzer is equipped with automatic zero correction system (Auto Zero) for smooth measurement and various interfaces (Ethernet, RS232, RS485, USB, DIO, Analog out) so that user can use it more conveniently and usefully.

Features

☞ Ranges 0-50 / 100 ppm, user selectable.
☞ 7inch TFT LCD & touch screen interface.
☞ Ethernet, RS-232, RS-485 & USB ports.
☞ USB interface utilizes for System Program Update.
☞ Temperature & pressure compensation Internal zero(optional)
☞ Stored data can be retrieved RS-232, USB Interface and TCP/IP network
☞ In built Data Logger Utilizes NAND-Flash to Store up to 1year (5min averaged data)

CARBON MONOXIDE ANALYZER

Technical Specifications

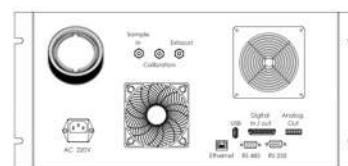|	
Measuring items	Carbon Monoxide(CO) in Ambient Air
Measuring method	Non-dispersive infrared analysis(GFC NDIR)
Ranges	0-50 / 0-100 ppm (selectable)
Lower Detectable Limit	Less than 0.05ppm
Repeatability	With in ±0.5% of span gas concentration
Zero drift	Less than 0.1 ppm
Span drift	With in ± 1% full scale (1 day)
Response time (95%)	Less than 60 seconsds (T95)
Linearity	With in ± 1% full scale
Precision	1% of reading or 0.1 ppm
Ambient temperature	5-40°C
Analog output	0-1V/0-5V or 4-20mA (option)
Sample flow rate	Stabilized flow control by 800cc/min Critical Orifice
Particulate filter	47mm Teflon Filter
Display	7" inch Graphic LCD
Comport	Ethernet, USB1.1, RS-232
Internal Data memory	Measuring data (5min/1 year), Operation history, Messages, Alert
Power Requirement	220 VAC/60Hz or 230VAC/50Hz

Ordering Information

1. Range
   0 0-0.5 ppm, 0-1 ppm (standard)
   1 0-1 ppm, 0-2 ppm
2. Power
   0 220VAC/60Hz (Standard)
   A 230VAC/50Hz
   B 110VAC/50Hz
3. Internal Zero
   0 Sample/Cal valve (Standard)
   Z. Internal zero Scrubber
4. Mountion Hardware
   0 Bench Mounting (Standard)
   H Ears & handles
5. Teflon Particulate filter
   0 Not Include (standard)
   P 1pkg

Dimenstions - Casetype

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VASTHI INSTRUMENTS

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AIR QUALITY MONITORING SYSTEM