

Carbon Monoxide Analyzer



model CA-751

Continuous measurement of the concentration of carbon monoxide in environmental air



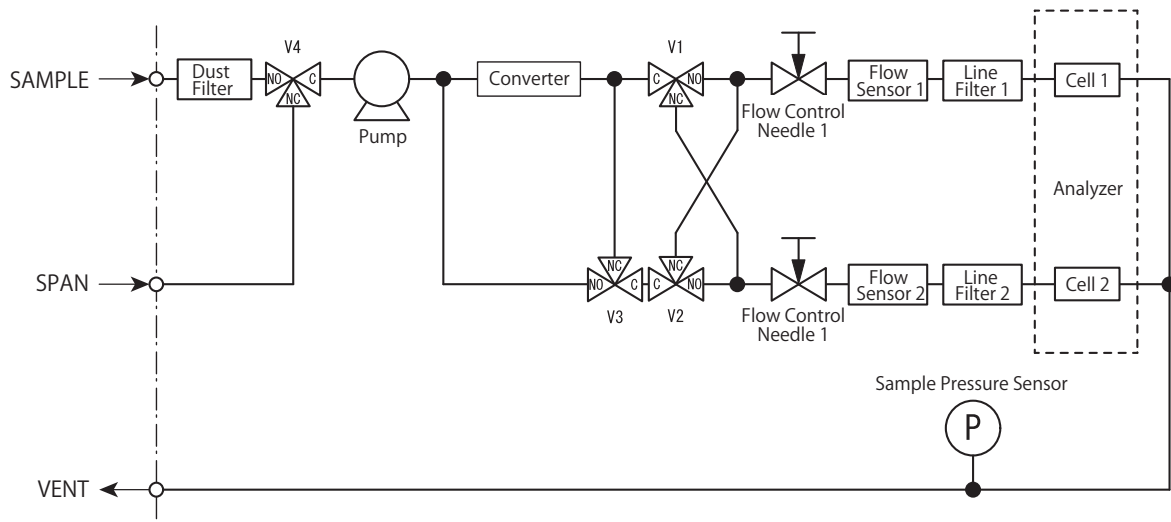
- Excellent prolonged stability, easy maintenance, and high-precision measurement with repeatability of $\pm 1\%$
- Virtually unaffected by the interference of moisture
- Large capacity memory to save measured data for a year

- The amount of infrared ray absorbed in the measurement cell is detected with a microflow sensor
- Simple operation on a large color LCD touch panel
- USB memory is available for data extraction

General Specifications

Name	Carbon Monoxide Analyzer	Zero air generator	CO/CO ₂ converter using sample air
Model	CA-751	Light source	Single infrared light source
Measuring gas	Carbon monoxide (CO) in environmental air	Rotary sector	One-point chopper
Measurement principle	Non-dispersion infrared-ray absorption method - double beam, sample switching system with built-in zero air generator	Detector	Interference compensating microflow sensor
Measuring range	0 ~ 50 ppm	Calibration	Full automatic calibration by microprocessor (Calibration cycle can be changed)
Repeatability	$\pm 1\%$ of span gas conc.	Outer dimensions	H245×W485×D600mm (analyzer unit)
Linearity	$\pm 4\%$ of half of span gas	Weight	Approx. 24kg (analyzer unit)
Zero drift	± 0.2 ppm/ day	Power supply	100V AC $\pm 10\%$, 50/60Hz
Span drift	$\pm 2\%$ of span gas conc./ day	Power consumption	200VA max., 150VA typ.
Response time	90% response from gas inlet: 120 sec. or less	Ambient Temp. and RH	0 to 40 °C, 90%RH or less
Detection limit	0.1 ppm or less	LCD display	Measuring data, Output range, Alarm, Performance control information
Dust filter	$\phi 47$ mm PTFE filter	Internal data memory	Measured data (by minutes, by hour), and message
Sample flow	0.55 ± 0.05 L/min.	Digital In/Out	Ethernet, USB1.1, RS-232C

Fundamental Diagram



*) Operation manual should be read before measuring.

*) To avoid fire, break down and electric shock, do not use this analyzer at the place where beside water, high moisture, dust or oily smoke.



KIMOTO ELECTRIC CO., LTD.

3-1FUNAHASHI-CHO,TENNOJI-KU,OSAKA 543-0024 JAPAN

TEL 06-6768-3401 FAX 06-6764-7040 E-mail:sales@kimoto-electric.co.jp

<http://www.kimoto-electric.co.jp>