AQMS-400 Carbon Monoxide Analyzer

FPI AQMS-400 carbon monoxide analyzer measures ambient CO concentration by employing no-ndispersive infrared with gas filter correlation method technology.

Principle

Infrared energy emitted by light source is passed through gas chamber containing the air sample, and the quantitative absorption of energy by CO in the sample cell is measured by corresponding detector.
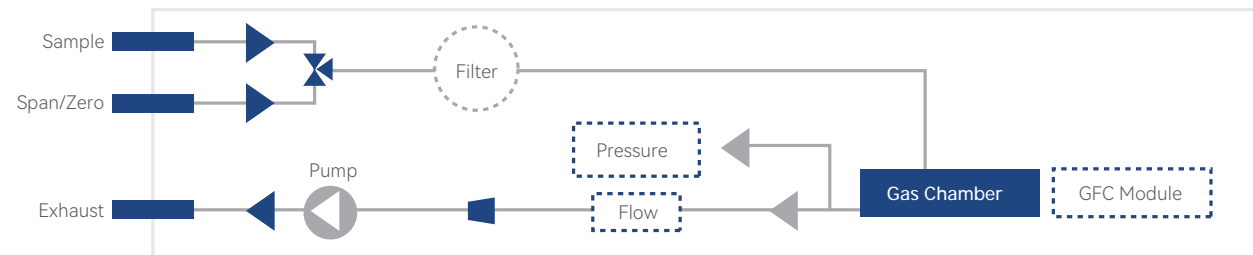

Data Storage and Analysis

Stored data are easily retrievable through the serial or Ethernet port via PC client software, allowing operators to perform predictive diagnostics and enhanced data analysis by tracking parameter trends.

GFC

The gas filter correlation (GFC) adopts non-dispersive infrared technology and includes two parts, one for reference and the other for measurement.
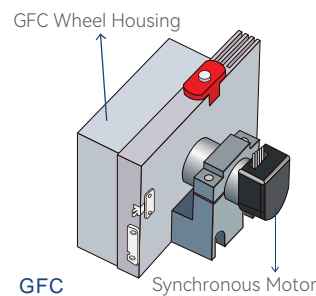
Features

01. 14 meters optical path to perform high reliability	02. Multi-tasking software allows viewing test variables while operating
03. Compliance with US EPA reference method	04. Various outputs include RS232, RS485, Ethernet
05. User-friendly interface with large screen	06. Cotinuous system diagnosis with alarm
07. Five years guarantee on GFC wheel	08. Temperature and pressure compensation
09. Internal data logging with 1 min to 365 days multiple averages	

Specifications

Principle	NDIR
Standard Range	US EPA Specification 0~100ppm
Zero Noise	≤0.02ppm (RMS)
Span Noise	0.5% F.S.
Display	Digital
Lower Detectable Limit	0.04ppm
Zero Drift	<0.1ppm/24h
Span Drift	<0.5ppm/24h
Linearity	<1%F.S.
Precision	<1%
Response Time	T90<60s
Sample Flow Rate	(800±80) sccm
Output	RS232/RS485/Ethernet
Power Requirement	(220±22)V AC, (50±1)HZ
Dimensions and Weight	178(H) x 432(w) x604(D)mm, 28kg