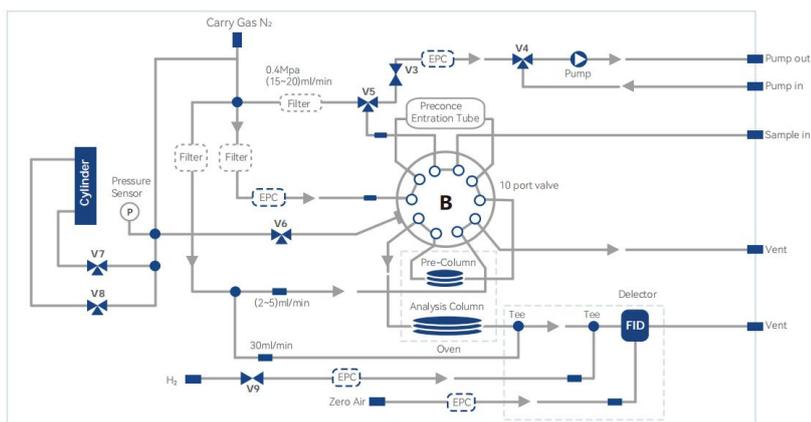
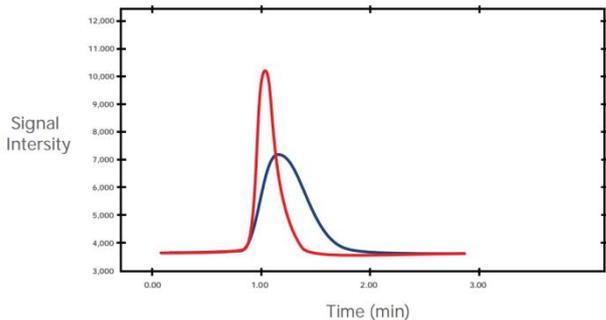


AELAB BTEX Analyzer

EXPEC-2000 series BTEX analyzer adopts chromatographic separation technology, it is mainly used to monitor the ambient air of benzene series and other characteristic factors in the air.

Principle

Sample gas will be stored in the loop first, then release them into PQ columns by switching the ten-way valve to the A state. Different components can be separated in the PQ columns and transported to FID detector to measure respectively. PID also applicable as per customer requirement.



Features

- ◆ Benzene series and other characteristic factors.
- ◆ Analysis cycle less than 10 minutes, operation continuously with free maintenance.
- ◆ The whole process of heat tracing FID detection avoids high-boiling VOC attached, promoting accuracy. No steam condensation, preventing corrosion of components.
- ◆ The FID flame will light automatically after warm-up time. It is continuous online analysis, automatic cycle operation at startup.

Specifications

Measurement Components	BTEX
Principles	PID/FID
Range	(0~1)mg/m ³ (300nmol/mol) The range can be further expanded according to demand
Detection Limit	Benzene 0.7μg/m ³ (0.2nmol/mol) Others(0.4~1)μg/m ³
Repeatability	RSD≤3%, 2nmol/mol (Benzene)
Response Time	<60s
Gas Source Requirement	Carrier gas:high purity nitrogen or zero-level air(>99.999%) Gas:high purity hydrogen(>99.999%) Combustion-supporting gas: zero-level air;
Output	4~20mA, RS485, RS232, Ethernet
Power Supply	<240VA, 220V AC/50Hz
Condition Temperature	(5~35)°C
Chromatographic Column	Db-1 or DB-5 quartz capillary column The specific length or model depends on the demand