



EIE

Sample Cylinder (Gas) Auto Sampler

EIE-GAS-02

Sample Cylinder (Gas) Auto Sampler



- Advanced software can simultaneously run two different analyzers doing the analysis automatically in proper sequence
- Run multiple samples automatically without manual operation
- Passivated and deactivated piping system prevents the adsorption of trace sample
- All sampling functions indicated by "methods" for simple operation
- Internal sub-assembly modular, easy troubleshooting, easy maintenance
- Filter system can effectively prevent the pipeline blockage or pollution



Introduction

Unique self-developed software system can automatically run the sample sequence and start the gas chromatography, and also can save/select different analysis methods. One button run to reduce the human operation and errors.

Capacity of working with different gas chromatography (Agilent, PerkinElmer) for convenience.

Easy and quick connection with ¼" connector

Multi-line independent continuous analysis, no leak in connection, no sample interference or contamination

Steel cylinder has built-in filter to purify the gas, which is replaceable

Valve and piping components can be heated to 135°C to ensure that all ingredients in the liquid sample are effectively vaporized and enter the analytical instrument

The internal pipeline and components have been passivated and deactivated. Swagelok components ensure no leak from bag or ball connection and thus no interference or contamination among samples

It equips with high precision of pressure regulator valve and flow valve

The flow rate from sampler exit is set at 30ml/min

The steel cylinder is placed upright and connected from bottom; the cylinder is more stable

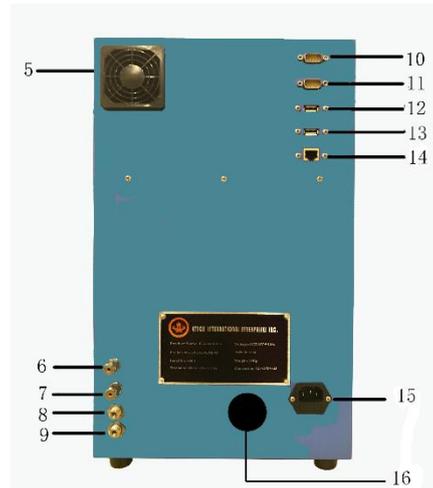
Every sampling starts after 30s sample blowing



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1. Instrument Host

3. Cylinder fixation

5. Cooling fan

7. Exhaust gas outlet

9. Sample outlet (heating pipeline)

11. Computer connection port

13.USB2 port

15. Power supply port

2. Power switch

4. Injection port

6. Carrier gas inlet

8. Sample inlet (heating pipeline)

10.GC connection port

12. USB1 port

14. Net port port

16. Heat tracing line



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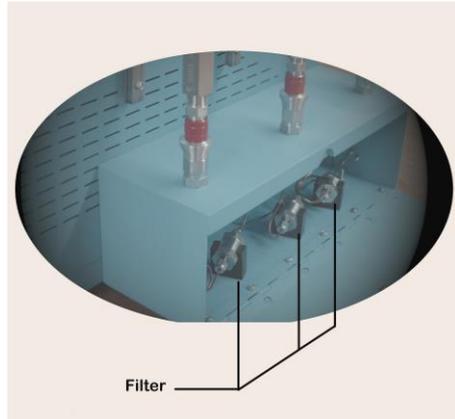
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Sampler can control the analytical instrument to realize the continuous analysis



Filter system can effectively prevent the pipeline blockage or pollution



Automatically running, no manual operation



SilcoTek coated piping system prevents the adsorption of trace sample



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SPECIFICATIONS

Standards	
Manufactured in accordance with IEC 61010	
Features	
Control Software	Automatically run the sample sequence
Prevention absorption	Passivated and deactivated components eliminating the sample interference
Flexibility	Can work with multiple different gas chromatography
Quick Connector	1/4" adapter
Processing Cylinder Number	3
Exit Flow Rate	30ml/min, back pressure around 0.1 to 0.3 MPa
Vaporization	Heated to 135°C
Sample Blowing	Blowing sample for 30s before sampling
Filter	Built-in filter to ensure pure gas inlet
Operation	
Voltage	AC 110 - 230V +/-10% 50-60 Hz
Sampling Method	Electromagnetic valve
Sampling System Clean	N ₂ Blown, user defined times
Analysis Method	Can save or select in software
Power Usage	240W
Safety	
Leak Prevention	Swagelok components to reduce leak probability
Operating Environment	
Ambient Temperature	5°C to 35°C
Storage Temperature	-10° C to 55°C
Relative Humidity	not more that 80% at 35°C
Working Place	indoor
Product Size	
Dimensions (mm)	320W x 450D x 500H
Weight (Kg)	27.5