ADVANCE SCIENCE

INNOVATION | PRECISION | PERFORMANCE

GAS CHROMATOGRAPH

MODEL NO. AS-GC-400

Advance Science Gas Chromatograph (GC) is a high performance analytical instrument designed for accurate, reliable and sensitive separation and detection of volatile and semi-volatile compounds. It provides excellent temperature control, precise injection and sensitive detection, making it ideal for research, quality control and routine analytical applications.



- HIGH SENSITIVITY
- PRECISE TEMPERATURE CONTROL
- ACCURATE SAMPLE INJECTION
- RELIABLE DETECTION
- ROBUST & DURABLE DESIGN

TECHNICAL SPECIFICATIONS

Parameter	Specification
Model No.	AS-GC-400
GC Detector Minimum Detection Level (MDL)	< 1.4 pg C/s for FID
Maximum Operating Temperature (GC Oven)	upto 400 deg. C
Number of Oven Ramps / Plateaus for Temperature programming	6/7 or more
Temperature Ramp Rate - Maximum	50 Deg. C/minute or better
Number of Injection Ports	1
Maximum Injection Port heating Temperature	upto 400 deg. C (1)
Pressure Range	upto100 psi (1)
Pressure set point Resolution (±) (psi)	0.1
Type of Sample Injection Port	split / Splitless
Split Ratio	NA

KEY FEATURES

- High sensitivity FID detector (< 1.4 pg C/s)
- Wide temperature range up to 400 °C
- Multiple oven ramps/plateaus (6/7 or more)
- Fast temperature ramp rate (50 °C/min or better)
- Split / Splitless injection capability
- Precise pressure control with 0.1 psi resolution
- Reliable and accurate analysis
- Suitable for research, quality control and routine labrcatory applications

APPLICATIONS

- Environmental Analysis
- Pharmaceutical Analysis
- Food & Beverage Analysis
- Chemical Industries
- Petrochemical Analysis
- Research Laboratories

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