

**GAS CHROMATOGRAPHY
(ROHS2.0 O-BENZENE FAST SIFTER)
CODE GCT-2400**



Thermal Cracker
(included)

- The instrument adopts modularized structure design, easy and convenient maintenance, with no pre-treatment, no chemical reagents, no waste liquid and gas, no need for environmental assessment, convenient and quick, accurate screening and other advantages, general sample testing in 20 min
- 7-inch color LCD touch screen, a new temperature control system, high precision temperature control, superior reliability and anti-interference performance, with the column box automatic back door system, near room temperature control ability has been improved, faster heating or cooling speed, each heating control unit has over-temperature protection function
- With network remote control function, make the instrument in unattended, decentralized monitoring, centralized control become a reality. Adopting 100G or Gigabit Ethernet communication interface, built-in IP stack, the instrument can realize long-distance data transmission through the internal LAN and Internet, which is convenient to set up the laboratory, simplify the configuration of the laboratory, and facilitate the management of analytical data

STANDARD DELIVERY

Main unit	1 pc
Computer	1 pc
Thermal cracker	1 pc
Software	1 pc
Standard sample	1 set
Air generator	1 set
Hydrogen generator	1 set
Consumable and spare parts	1 set*

*Including injection needles, injection pads, graphite pads, gas connection lines and other common consumables and tools



Hydrogen Generator
(included)



Air Generator
(included)

OPTIONAL ACCESSORY

Electronic balance	8304-120	Maximum weighing capacity 120g, resolution 0.1mg
	8304-220	Maximum weighing capacity 220g, resolution 0.1mg
Capillary column	GCT-2400-CC	Ø0.53mm×30m×0.50µm

SPECIFICATION

Analysis material	Di(2-ethylhexyl) phthalate(DEHP), Benzyl butyl phthalate(DBP), Dibutyl phthalate(BBP), Diisobutyl phthalate(DIBP)
Temperature control area	8 signals
Temperature control range	Above room temperature 4-450°C, incremental 1°C, accurate: ±0.1°C
Program temperature rise step	20th step
Program temperature rise rate	0.1-60°C/ min
Measurement range	0-0.25Mpa (pressure), 0-1000ml/min (flow rate)
Injection valve	Automation
Sampler type	Capillary injection
Capillary column	Ø0.53mm×30m×0.50µm (shunt)
Detector	Hydrogen Flame Ionization Detector (FID)
Detection limit	≤3×10 ⁻¹² g/S (n-hexadecane)
Baseline noise	≤1×10 ⁻¹⁴ A (after 2 hours of instrument stabilization)
Baseline drift	≤1×10 ⁻¹³ A/30min (after 2 hours of instrument stabilization)
Linear range	≥10 ⁶
Carrier gas	N ₂ ≥99.995%
Natural gas	H ₂ ≥99.995%
Combustion gas	Dry oil-free air
Data processing	Dedicated data workstation, can support multiple chromatographs of multiple channels of data processing at the same time (up to support 5000 chromatographs access), can automatically generate chromatograph folder, time folder, as well as according to the time, frequency or sequence of the named spectra file functions
Communication interface	Ethernet: IEEE802.3
Working environment	5~35°C, 0~85%RH
Power	AC220V±10%, 50Hz (±0.5Hz), 3KW
Dimension (LxWxH)	600×560×500mm
Weight	55kg