

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



thermal cracker
(included)

- Easy to operate and requires just 20 minutes for sample analysis
- No need to handle samples during use, no chemical reagents are used, and no waste liquid or gas is generated
- The instrument adopts a microcomputer system to control temperature with high precision, high reliability, and anti-interference
- The instrument has a network remote control function with ethernet communication interface to analyze the data

STANDARD DELIVERY

Main unit	1 pc
Computer	1 pc
Thermal cracker	1 pc
Software	1 pc
Standard sample	2 pcs
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	8311-60	maximum weighing capacity 60g, resolution 0.1mg
Quartz tube	GCT-2400-CC	OD: 3.8mm, ID: 2.35mm, L: 30mm
Standard sample	GCT-2400-BY	mixed standard of 4 phthalates (1000µg/mL)

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 ≥99.9995%
Natural gas	H ₂ ≥99.9995%
Combustion gas	dry oil-free air
Data processing	1. can simultaneously process data from up to 5000 chromatographs 2. can automatically generate chromatograph files 3. can name chromatograph folders by time and shift sequence
Communication interface	ethernet: IEEE802.3
Working environment	5~35°C, 0~85%RH
Power supply	AC220V±10%, 50Hz (±0.5Hz), 3KW
Dimension (L×W×H)	600×560×500mm
Weight	55kg