GAS CHROMATOGRAPHY
(ROHS2.0 O-BENZENE FAST SIFTER)
PART NO. GCT-2400-U

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	**8304-120**	maximum weighing capacity .264554lb/120g, resolution .000001lb/0.1mg
	8304-220	maximum weighing capacity .485017lb/220g, resolution .000001lb/0.1mg
Capillary column	**GCT-2400-CC**	.02"DIA×98.43FT×19.69μin
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 39.2-842°F, incremental 33.8°f, accurate: ±32.18°F
Program temperature rise step	20th step
Program temperature rise rate	.32.18-140°F/min
Measurement range	0-0.25Mpa (pressure), 0-1000ml/min (flow rate)
Injection valve	automation
Sampler type	capillary injection
Capillary column	.02" DIA×98.43FT×19.69μin (shunt)
Detector	hydrogen flame ionization detector (FID)
Detection limit	≤$3x10^{-12}$g/S (n-hexadecane)
Baseline noise	≤$1x10^{-14}$A (after 2 hours of instrument stabilization)
Baseline drift	≤$1x10^{-13}$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 chromatographys 2. can automatically generate chromatograph files 3. can name chromatograph folders by time and shift sequence
Communication interface	ethernet: IEEE802.3
Working environment	41°F~95°F, 0~85%RH
Power supply	AC110V, 60Hz, 3KW
Dimension (LxWxH)	23.62×22.05×19.69"
Weight	121.25lb