



Importadora Gyb Limitada
Padre orellana 1476
Santiago CL13101 Chile



Instrumento de desorción térmica automática 50 posiciones

Código: B2-01-010901

Marca: Belltronic

[Ver producto en Cotecno](#) | [Solicitar cotización](#)

[Detalle](#) | [Especificaciones](#) | [Aplicaciones](#)

Detalle

Automatic thermal desorption device can be loaded into 50 position sample tube at a time with full load, and can be used with all domestic and imported GC and GCMS.

Features

- 1. Power on self-test, fault alarm and prompt function, temperature overload protection function, leakage protection function, gas path differential pressure alarm function, etc., which improves the safety factor of the instrument.
- 2. The sample position is up to 50, which can meet the daily sample analysis.
- 3. The adsorption tube can automatically take off the cap and put on the cap automatically, and automatically detect the gas path leakage.
- 4. Electronic pressure and flow display function.
- 5. The imported switching valve and solenoid valve are used for gas path control, which has stable performance and effectively prevents sample contamination.
- 6. All gas pipes have been passivated.
- 7. New human-computer interaction interface, separate function of detection method, real-time cloud chart display working state, running time, flow, etc.
- 8. The program control of sample coil position can realize the specified pipe position detection, and can add sample tube at any time according to the demand, which makes the detection process more flexible and smooth.
- 9. The GC and workstation can be started synchronously, and the anticontrol between GC and GC can also be realized.
- 10. The machine has the function of analog sampling of standard sample, which is convenient to obtain the working curve.
- 11. Low temperature secondary desorption function, using electronic refrigeration and two-stage flash thermal desorption process.
- 12. It has the function of sample diversion, which can prevent contamination of the instrument when detecting high concentration samples.
- 13. Add log, help, stopwatch and other functions to provide more convenience.
- 14. HJ/644-2013 determination of volatile organic compounds in ambient air by adsorption tube sampling thermal desorption gas chromatography mass spectrometry.
- 15. HJ/t400-2007 sampling and determination method of volatile organic compounds and aldehydes and ketones in vehicles.
- 16. GB/t18883-2002 indoor air quality standard.
- 17. HJ/583-2010 determination of Benzene Series in ambient air by solid adsorption / thermal desorption gas chromatography.
- 18. HJ734-2014 determination of waste volatile organic compounds from stationary pollution sources by solid phase adsorption / thermal desorption gas chromatography.
- 19. GB / 50325-2020 standard for indoor environmental pollution control of civil building engineering, etc.

Especificaciones técnicas

Especificación	50 posiciones - 0~100ml/min(ajuste continuo) - 100ml/min
Temperatura de desorción primaria	RT~400°C, configurable en incrementos de 1°C

Especificación	50 posiciones - 0~100ml/min(ajuste continuo) - 100ml/min
Temperatura del sistema de inyección	RT~300°C, configurable en incrementos de 1°C
Temperatura del tubo de transferencia de muestra	RT~300°C, configurable en incrementos de 1°C
Temperatura de desorción secundaria	RT~400°C, configurable en incrementos de 1°C; velocidad de calentamiento>2000°C/min
Temperatura de la trampa fría	-35~50°C, configurable en incrementos de 1°C(con dispositivo de refrigeración electrónica, sin necesidad de refrigeración con nitrógeno líquido)
Exactitud del control de temperatura	±1°C
Gradiente del control de temperatura	±1°C
Posiciones de muestra	50 posiciones
Tasa de recuperación de desorción	>98%(depende de los componentes)
Flujo de limpieza por retrolavado	0~100ml/min(ajuste continuo)
Flujo de muestreo analógico	100ml/min
Alimentación eléctrica	AC220V, 50/60Hz (Estándar); 110V, 60Hz(Opcional, transformador externo)
Dimensiones externas (An*Pr*Al)	432*508*600mm
Peso neto	39kg
Dimensiones del embalaje (An*Pr*Al)	760*610*800mm
Peso bruto	55kg

Aplicaciones

1. Review your analysis method

Compare the desorption and cold trap temperatures required by your standard or method with those the instrument offers.

- **Primary Desorption Temperature:** RT~400°C, incremental 1°C any set
- **Secondary Desorption Temperature:** RT~400°C, incremental 1°C any set; Heating rate>2000°C/min
- **Cold Trap Temperature:** -35~50°C, incremental 1°C any set(using electronic refrigeration device, no need for liquid nitrogen refrigeration)

2. Review recovery and flows

Compare the desorption recovery you expect for your compounds with the instrument's.

- **Desorption Recovery Rate:** >98%(related to components)

Review the cleaning and analog sampling flows your routine needs.

- **Backflushing Cleaning Flow:** 0~100ml/min(continuously adjustable)
- **Analog Sampling Flow:** 100ml/min

3. Plan the installation

Confirm the available power supply, the space next to the chromatograph and the bench capacity for the weight of the instrument.

- **Power Supply:** AC220V, 50/60Hz (Standard); 110V, 60Hz(Optional, External transformer)
- **External Size(W*D*H):** 432*508*600mm
- **Net Weight:** 39kg

Siguiente paso: [ver producto en Cotecno](#) | [solicitar cotización](#)