Detelogy



iGHP-37C

Intelligent Graphite Heating Plate

— Guangzhou Detelogy Technology Co., Ltd —

iGHP-37C
Intelligent Graphite Heating Plate

The iGHP-37C Intelligent Graphite Heating Plate is a high-end intelligent heating device specially designed for laboratory sample digestion, acid evaporation, drying, and heating pretreatment. Relying on high-purity graphite anti-corrosion heating technology, dual PID precision temperature control system, and split-type intelligent touch screen design, it combines four core advantages: temperature uniformity, corrosion resistance and durability, batch processing, and intelligence and efficiency. Paired with the DTLabs AI Smart Laboratory platform, it completely solves the pain points of traditional hotplates such as inaccurate temperature control, easy corrosion, and limited operation due to sample contamination.



Fields of Application



Environmental Monitoring
Soil, water quality, air, solid waste, etc.



Food Safety
Vegetables, meat, aquatic products, grains, various processed foods, etc.



Pharmaceutical Analysis
Traditional Chinese medicinal, Chinese patent medicine, capsules, etc.



Biochemical Analysis
Animal tissues, blood, urine, hair, etc.



Smelting and Geology
Rocks, minerals, sediments, etc.

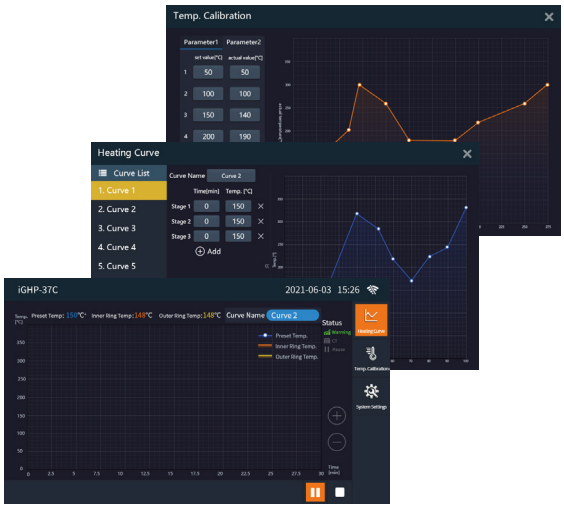
Control Software

★Large 7-inch color high-definition touch screen, graphical intuitive display, real-time display of dual temperature curves

★Supports presetting and recalling no less than 32 temperature curve methods at any time, each method can be set with up to 10 temperature ramping segments

★Temperature curve names can be freely set in Chinese and English, easy to distinguish different types of digestion temperature control methods

★Supports free switching between Chinese and English interfaces, equipped with temperature calibration function, automatically compensates heating after calibration



Performance advantage

Ultra-large Heating Surface

620x420mm ultra-large heating plate surface, easily achieving batch sample digestion

No Exposed Electrical Components

The heating plate surface adopts a design with no exposed electrical components, the control terminal adopts a multi-layer sealed anti-corrosion design

Full Machine Anti-corrosion Protection

The plate surface, stand, and control terminal housing are all sprayed with PTFE coating, offering excellent anti-corrosion performance

Split Design for Safe Operation

Adopts an intelligent split control terminal design, easy to maintain, effectively ensuring operational safety

Precise Temperature Control System

Intelligent dual PID temperature control technology, temperature control accuracy: ±1℃, built-in temperature calibration function

High Temperature Resistant and Anti-corrosion Panel Surface

High-purity graphite plate surface sprayed with high temperature resistant anti-corrosion ceramic coating, maximum heating temperature up to 370℃

Dual-zone Uniform Heating

Inner and outer dual-zone heating on the heating plate surface,effectively ensuring temperature uniformity of the plate surface, ensuring even heating of samples



Partial Application Standards

GB 5009.94-2012 National Food Safety Standard — Determination of Rare Earth Elements in Plant-derived Foods	GB 5009.12-2017 National Food Safety Standard — Determination of Lead in Foods
GB 5009.15-2014 National Food Safety Standard — Determination of Tin in Foods	HJ 1081-2019 Soil and Sediment — Determination of Cobalt — Flame Atomic Absorption Spectrophotometry
HJ 1046-2019 Water Quality — Determination of Antimony — Flame Atomic Absorption Spectrophotometry	HJ 766-2015 Solid Waste — Determination of Metal Elements — Inductively Coupled Plasma Mass Spectrometry
HJ 1047-2019 Water Quality — Determination of Antimony — Graphite Furnace Atomic Absorption Spectrophotometry	
HJ 781-2016 Solid Waste — Determination of 22 Metal Elements — Inductively Coupled Plasma Optical Emission Spectrometry	
HJ 1080-2019 Soil and Sediment — Determination of Thallium — Graphite Furnace Atomic Absorption Spectrophotometry	

Remotely monitor and operate pre-treatment equipment in real time, even from different locations.

Receive WeChat push notifications when pre-treatment operations are completed.

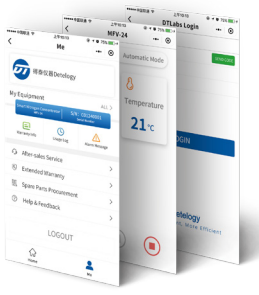
Multiple safeguards with comprehensive after-sales service functions.

Ai

DTLabs AI Smart Laboratory

DTLabs Remote Monitoring WeChat Mini-Program

A Mini-Program at Hand, No Worries in Pre-treatment



More wet digestion equipment



iGBlock-36 Graphite Digester



iGBlock-81 Graphite Digester

(For whole blood, urine samples exclusively)

CONTACT US

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Our Business

Intelligent Organic Pre-treatment Equipment:

- Multi-Sample Homogenization System
- High-Throughput Intelligent Plant and Animal Grinding Homogenizer
- MultiVortex Shakers & Mixers
- Intelligent Quick Solvent Extractor
- Solid Phase Extractor
- Automated Intelligent Solid Phase Extractor
- Automated Water Quality Analysis Smart Solid Phase Extractor
- Smart Nitrogen Concentrator
- Automated Nitrogen Concentrator
- Automatic Intelligent Dual-Mode Nitrogen Concentrator
- High-Throughput Automated Intelligent Dual-Mode Nitrogen Concentrator
- Automated High-Throughput Intelligent Parallel Concentrator
- Automated Intelligent Parallel Concentrator
- MultiPro-V12/V20 Multi-Sample Intelligent Vacuum Parallel Concentrator
- Multi-Sample Solid Phase Microextraction (SPME) Device
- Membrane Separation Nitrogen Generator
- Recirculating Chiller, etc.

Intelligent Inorganic Pre-treatment Equipment:

- Intelligent Graphite Digester
- Intelligent Ultra Microwave Digestion System
- Intelligent Graphite Heating Plate, etc.

Intelligent Analytical Instruments:

- Automated Intelligent Ultra-High Performance Liquid Chromatograph
- Intelligent Heavy Metal Analyzer
- Intelligent Direct Mercury Analyzer, etc.

Intelligent Equipment Consumables Service:

- Specialized Spare Parts & Consumables for Equipment
- General Reagents and Consumables
- Specialized Reagents and Consumables, etc

DT Labs AI Smart Lab:

- DT Labs AI Smart Lab Information Management Platform
- IFlex Series Smart Lab Assistants

★ This catalogue is just for reference. Revisions to this catalogue without notice.

Ver : DT2026PC.01