

# TC100-96G TAQ CYCLER



## Description :-

Technology of latest generation of gene amplification instruments, embodying a fresh family-oriented design concept. It integrates an 8-inch full-color touchscreen and a completely redesigned user interface (UI). With its sleek, elegant appearance, user-friendly operation, and robust, durable structure, the product offers simplicity and sophistication. In line with Helix Technology's consistent commitment to precise temperature control, the Taq Cycler series utilizes imported alloy materials. It is complemented by an upgraded bottom heat dissipation module and mature, advanced thermoelectric cooling components. These advancements ensure stable and reliable performance, placing the temperature control module's capabilities on par with leading imported brands.

## FEATURES :-

- Multiple model configurations, allowing users to choose different functional models based on their experimental needs.
- Utilizes advanced TAS edge temperature compensation technology, ensuring module temperature accuracy  $\leq 0.1^{\circ}\text{C}$  with 12 different temperature zones and 1-100  $\mu\text{l}$  reaction volume.
- Automated thermal lid that can adjust height and pressure based on the actual usage scenario to accommodate different reaction tubes, effectively preventing reagent evaporation and contamination.



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## FEATURES :-

- Powerful gradient functionality, including natural gradient and zone temperature control, making temperature optimization experiments more convenient.
- Real-time monitoring of device operation through a mobile app, and capable of networking multiple devices through a local area network for centralized control.
- Equipped with power-off data retention function.

## Technical Specifications :-

SAMPLE CAPACITY	96 × 0.2 ML (PCR TUBE/PLATE)
TEMP. RANGE	4 ~ 105 °C (MIN.RESOLUTION: 0.1 °C)
MAX HEATING RATE	6 °C/SEC
MAX COOLING RATE TEMP	4 °C/SEC
TEMP. UNIFORMITY	≤±0.3 °C
TEMP. ACCURACY	≤ 0.2 °C
HOT-LID TEMP. RANGE	30 °C ~ 110°C
GRADIENT TEMP. DIFFERENCE RANGE	1 - 30 °C



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## Technical Specifications :-

MEMORY	≥ 2000 PROGRAMS ON BOARD
NETWORK CONNECTIONS	USB / LAN / WIFI
HOT-LID MODE	ONE - TIME LOCKING WITH HANDLE
MOBILE APP COMPATIBILITY	IOS / ANDROID
POWER SUPPLY	600W
DIMENSION	420MM × 269MM × 254MM (L×W×H)



**INTELLIGENT  
OPERATION**



**TEMPERATURE  
ACCURACY**



**MOBILE APP  
SYNC**



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