

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 Cyclar 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 $\pm 0.1^{\circ}\text{C}$ with 12 different temperature zones and 1-100 μl 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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REGISTERED OFFICE :-

A-7, SOUTH WEST DELHI, NARAINA INDUSTRIAL AREA PHASE 1, NEW DELHI - 110028

MANUFACTURING :-

PLOT NO. 360, IMT INDUSTRIAL ESTATE, SECTOR 68, FARIDABAD, HARYANA - 121004

TC100-96G TAQ CYCLER



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.
- The system is equipped with six Peltier elements, featuring both standard and fast temperature control modes, and operates at a noise level below 40 dB.

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
GRADIENT TEMPERATURE RANGE	30°C~99



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Technical Specifications :-

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



**INTELLIGENT
OPERATION**



**TEMPERATURE
ACCURACY**



**MOBILE APP
SYNC**



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