

Drying oven/Lab incubator

-----Touch screen
multi-sides air circulating heating

GX/PX SERIES

GX-40 PX-40

GX-70 PX -70

GX-130 PX-130

High-end products from KENTON, Human engineering design, intelligent PID control touch screen, precise temperature control scheme originates from good manufacturing process, the qualified and first-class parts ensure your successful experiment.



GX drying oven interior, PX lab incubator interior with glass door



GX/PX Drying Oven / Incubator

3-Year Warranty

GX Thermostatic Drying Oven:

- Designed for drying, sterilization, heated storage, and heat treatment.
- Essential for laboratories and research units as a fundamental piece of equipment.

PX Thermostatic Incubator:

- Ideal for cultivating microorganisms and used in health care, biotechnology, agriculture, and scientific research.
- Offers a wider temperature range, up to 90°C, allowing for high-temperature disinfection after experiments to prevent bacterial cross-contamination.

Features for Both Models:

- **ALLHEAT™ Technology:** Provides advanced cavity preheating to meet various temperature needs and maintain a consistent environment.
- **Pro-Insulation™ Thermal Insulation:** Ensures stable conditions for experiments and samples.
- **SUS304 Stainless Steel Interior:** Corrosion-resistant and enhances temperature uniformity while reducing energy consumption.
- **Certification Services:** Available for IQ, OQ, PQ, and other relevant certifications.
- **CE Certified:** Meets international safety standards.

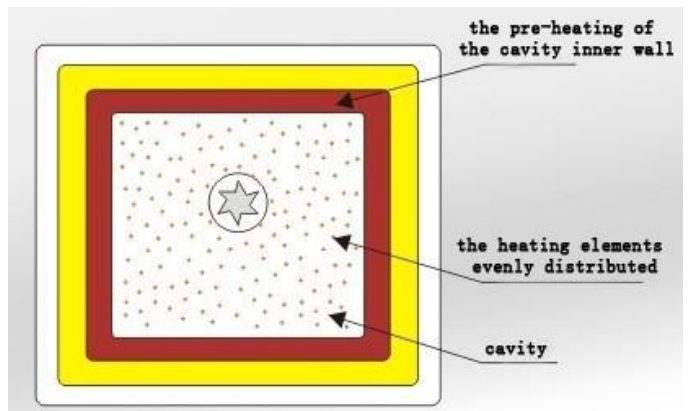
ALLHEAT™ Cavity Warm-Up Technology

ALLHEAT™ represents an advanced preheating technology that ensures precise and uniform temperature control within the cavity. Key features include:

- **Evenly Distributed Heating Elements:** Heating elements are strategically placed around the cavity to ensure consistent heating.
- **Pre-Heating of Cavity Walls:** The inner walls of the cavity are pre-heated to support uniform temperature distribution.
- **Efficient Heat Transfer and Forced-Fan Convection:** Heat is effectively transferred and distributed throughout the cavity using forced-fan convection, ensuring that every point within the cavity reaches and maintains the set temperature.

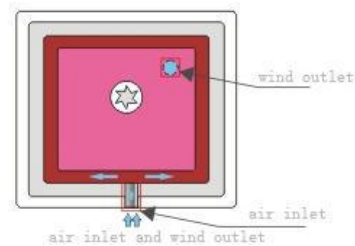
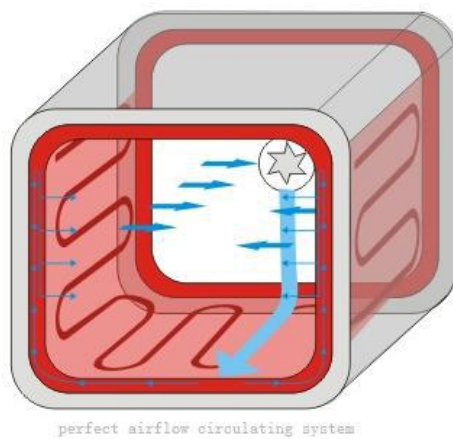
Benefits:

- **Uniform Temperature Distribution:** Ensures consistent temperatures throughout the cavity, enhancing the accuracy of your processes.
- **Low Energy Consumption:** The efficient design reduces energy loss, helping to lower operating costs.
- **Reduced Heat Loss:** The technology minimizes heat loss, making the system more energy-efficient and cost-effective for users.



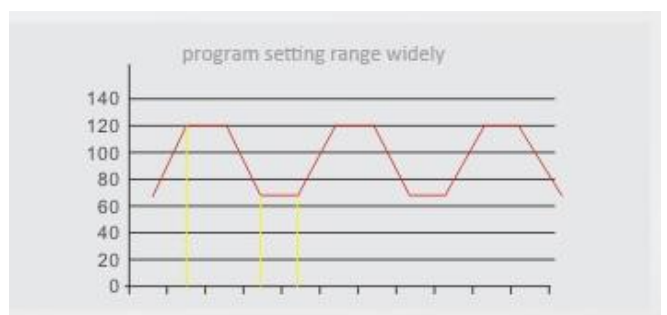
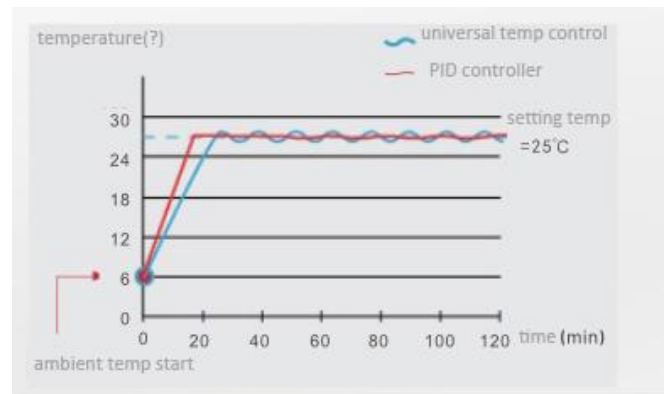
ALLFLOW™ Perfect Air Current Cycling

- **Efficient Convection:** Ensures even air distribution for uniform heating and quick temperature recovery.
- **Maximized Capacity:** Supports more samples with minimal temperature fluctuations.
- **High-Quality Motor:** Provides effective heat dissipation and reliable performance.
- **Adjustable Airflow:** Customize wind speed for optimal drying or cultivation conditions.



ALLSENS™ Microcomputer PID Control Touch Screen

- **Smart LCD Touch Screen:** Provides a user-friendly interface for easy operation.
- **Displays Key Parameters:** Shows temperature, cycle, run time, and adjustable wind speed (fast/slow).
- **Adaptive PID Controller:** Maintains stable and uniform temperature and humidity, preventing fluctuations.
- **User Protection and Connectivity:** Includes password protection, multifunctional memory, and a standard RS485 interface for real-time monitoring and connection with multiple devices.
- **Flexible Time Settings:** Adjustable time settings from 0-999 hours or 0-9999 minutes.
- **Advanced Features:** Centralized control via a 4.3-inch touch screen, RS485 (232) output for remote computer control, and USB interface for data storage. Compatible with ALLSENS™ programmable software for temperature control.



LED touch screen



4.3 inches storage touch screen (TC)



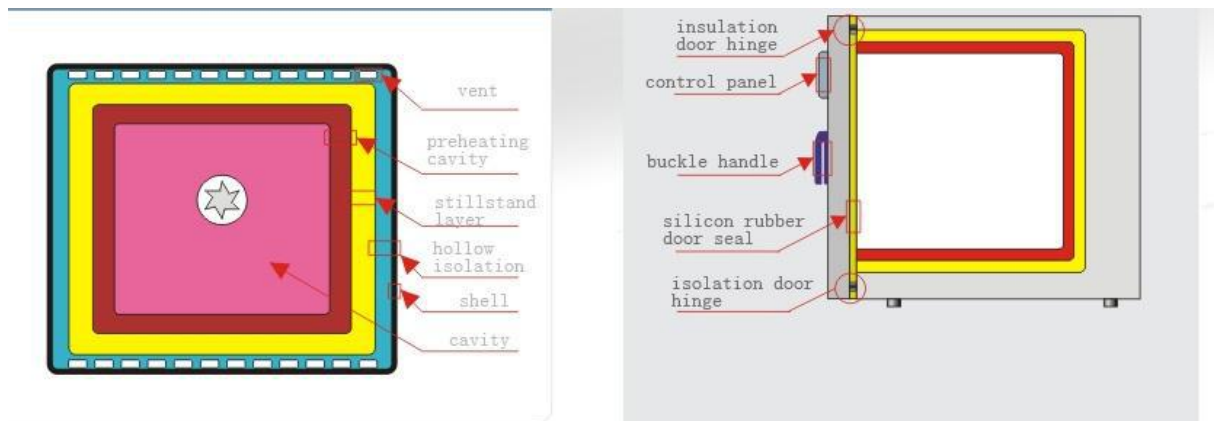
USB interface storage

Pro-Insulation™ Isolation Insulation Technology

Complete Isolation Design: Separates the liner and shell to prevent energy loss from heat transfer, optimizing heat efficiency.

High-Density Thermal Insulation: Wraps the liner with high-density insulation material to enhance heat retention and reduce energy loss.

Tight Sealing Features: Includes a silicone door seal, isolation-type hinge design, and secure door handles with belt fastening to ensure a tight and energy-efficient seal.



Temperature Sensor

- **Type:** PT100
- **Short Response Time:** Quickly responds to temperature changes for accurate measurements.
- **Low Self-Heating:** Minimizes temperature alteration caused by the sensor itself, ensuring precise readings.



PT100 temperature sensor

Ergonomic Design

- **Classical Color and Arc-Shaped Design:** Features a sleek, curved design for enhanced operational comfort.
- **Integrated Handle and LCD Screen:** Combines the exterior handle and LCD screen into a user-friendly interface for easy operation and optimal viewing angles.
- **Adjustable Shelving:** Mesh shelves can be customized in number and placement to meet specific needs, maximizing capacity.
- **Vertical Structure:** Designed for a comfortable and spacious work chamber, with easy access to the upper sections.
- **Double Door Design (PX Incubator):** Allows for sample observation without opening the inner chamber, maintaining consistent temperature.



Modern Manufacturing Processes

- **Laser Cutting & CNC Bending:** Precise sheet metal shaping.
- **Anti-Rust Treatment:** Acidification and rust prevention for durability.
- **Electrostatic Coating:** Attractive, protective finish.



Easy to Clean

- **Smooth Internal Surface:** Fewer welds and a smooth finish for easy cleaning and maintenance.
- **Multi-Layer Shelving:** Minimal metal accessories make cleaning simpler.

Convenient Maintenance

- **Diagnostic Controller:** Liquid crystal micro-computer with diagnostic functions displays operating parameters and historical records.
- **Separate Components:** Electrical controls and working area are installed separately for easier maintenance.

Secure and Efficient Protection

- **Over Temperature Protection:** Multiple levels of protection with sound and light alarms.
- **Automatic Dual Protection:** Two-stage over-temperature safety system.
- **Compliance Standards:** Meets Germany's DIN D12880 Class 3.1, IEC 61010-1, UL 61010-1, and EU EN 61010-1 safety standards.

GX/PX Technical parameters

Product model	GX(TC) Drying Oven			PX(TC) Heating Incubator		
	GX-40	GX-70	GX-130	PX-40	PX-70	PX-130
Convection Mode	Forced Convection + Wind speed are adjustable in 5 levels					
Control System	Microprocessor PID					
Smart LCD Touch screen display	Touch screen programmable segment setting , with RS485,232 "TC" model is 4.3 inches touch screen, with USB interface data storage					
Temp.Range (℃)	Rt+5℃~300℃			Rt+3℃~90℃		
Temp.Accura cy (℃)	0.1					
Temp.Fluctua tion (℃)	±0.5% (in the range of 50 ~ 240℃)			≤±0.5% (in the range of 3 ~ 50℃)		
Temp. Uniformity (9 Point test)	1% (in the range of 50 ~ 240℃)			±1℃ (in the range of 3 ~ 60℃)		
Heating time/rate	Rise to 150℃ within 30 minutes			Rise to 60℃ within 20 minutes		
Timer Range	0 ~ 999h, or 0 ~ 9999min, optional					
Safety device	Over temperature alarm					
Working environment	Ambient temperature: 10~30℃, Humidity<70%					
Insulation materials	High density environmentally friendly materials					
External Dimensions (H×W×D)	570×580× 593	670×680× 593	770×780× 693	570×580× 593	670×680× 593	770×780× 693
Internal Dimensions (H×W×D)	350×350× 350	450×450× 350	550×550× 450	350×350× 350	450×450× 350	550×550× 450
Interior Volume (L)	40	70	130	40	70	130
Interior materials	SUS304 Stainless steel					
The number of standard tray	2					
Shelf load/total load	The maximum load of each layer is 20KG, and the maximum total load of the interior is 40KG.					

Power (W)	900	1100	1400	550	650	800
Supply voltage	110/220V/50Hz					
Net weight (KG)	40	48	65	40	48	65
Shipping weight(KG)	43	51	69	43	51	69
Packing size H×W×D mm	690×660× 680	790×760× 680	890×860× 780	690×660× 680	790×760× 680	890×860× 780

Optional Product Accessories

1. Portable printer
2. 4.3 Touch screen controller
3. ALLSENS Programmable software
4. “Open door, power off” function
5. Test hole
6. Air inlet filter
7. Stainless steel punched laminate



Printer



Test hole



4.3 Touch screen controller



Filter

All technical data are based on no-load conditions with an ambient temperature of 25°C, relative humidity of 50% RH, and a voltage fluctuation of ±10%. Testing is conducted at temperatures of 10°C and 40°C, fully complying with DIN 12880 standards.





Please note that KENTON may change the technical parameters at any time. Additionally, there may be deviations in product appearance due to factors such as photography or printing. We appreciate your understanding and reserve the final right of interpretation.

GX/PX series drying oven component table

	Components	Specification	Unit
1	Oven	GX PX	1
2	LCD temperature control touch screen	C6003	1
3	High-precision temperature probe	PT-100	1
4	Heat dissipation and high temperature resistant bearings motor	J238	1
5	US ST silicon control		1
6	Stainless steel seamless heating tube	GX 0.7-1.2KW PX 0.4-0.8KW	1
7	304 Stainless steel interior	GX/PX	1
8	RS-485 Interface	9 holes	1
9	Fuse	10-15A	1
10	Detachable power cord with plug 3×0.75mm ²	1.8m 15A	1
11	Thermal insulation cotton	High-density thermal insulation coating	Some






Note: The above table is for reference only. The manufacturer reserves the right to change accessories and their parameters at any time without prior notice.

Comparison for drying ovens.

Drying oven	GX (advanced)	DHG/DHG-C	KH/A/101 upgraded	101/A/S classic	202/A(no motor fan)
					
controller					
PID LCD touch screen	●(TC 4.3-inch touch screen)				
PID LCD		●			
PID DIGITAL		With “C”●	●	With“A”●	With“A”●
Pointer				●	●
Brand accessories					
US ST silicon control	●				
Philip chip	●				
Taiwan optical coupler	●				
Internal material					
SUS304 SS	●				
Mirrored 201 SS		●			

201 SS			With“S”●	With“S”●	
Galvanized steel			●	●	●
Motor fan					
High temperature resistant bearing	●	●			
Heat dissipation fan	●	●	●	●	
Electric heat tube					
Stainless steel	●	●			
Carbon steel			●	●	●
Computer interface	●	● LCD screen			
Adjustable fan speed	●	● LCD screen			
ALLHEAT cavity preheat	●				
ALLFLOW airflow	●				
ALLSENS temp.control	●				
Insulation	●				
Heating sides	3 sides	9230 above double sides	Single	Single	Single
Air duct	3D air duct	3 sides+ front	3 sides	Single side	
Door seal material	Silicone	Silicone	Silicone	Asbestos cord	Asbestos cord
Insulation material	High density materials	Rock wool	Rock wool	Rock wool	Rock wool
Temp.range °C	RT+5-300	RT+5-300	RT+5-300	RT+5-300	RT+5-300
Temp accuracy °C	±0.1	±0.1/ ‘C’±0.5	±0.5	±1	±1
Temp fluctuation	±0.5%	±1%	±1%	±1%-2%	±2%
Timer	●	●	●	With“A”●	With“A”●
Over temperature alarm	●	●	●	With“A”●	With“A”●
warranty	3 years	2 years	2 years	2 years	2 years

Comparison for Lab incubators.

Incubators	PX (Advanced)	DNP/DNP-C	303-AS (upgraded)	303-A classic	303-C (no motor fan)
					
controller					

PID LCD touch screen	●(“TC” 4.3-inch touch screen)				
PID LCD		●			
PID digital		With“C”●	●	With“A”●	●
Pointer				●	
Brand accessories					
US ST silicon control	●				
Philip chip	●				
Taiwan opitcal coupler	●				
Internal material					
SUS304 Stainless steel	●				
Mirrored 201 Stainless steel		●			
201 Stainless steel			●	●	
Galvanized steel			●	●	●
Motor fan					
High temperature resistant bearing	●	●	●		
Heat dissipation fan	●	●	●	●	
Electric heat tube					
stainless steel	●				
Carbon fiber film		●	●		●
Carbon steel				●	
Computer interface	●	● LCD screen			
Networking monitoring	●	● LCD screen			
Adjustable fan speed	●	● LCD screen			
ALLHEAT cavity preheat	●				
ALLFLOW airflow	●				
ALLSENS temp.control	●				
Insulation	●				
Heating sides	3	3	3	Single	3
Air duct	3D air duct	3 sides+ front	3 sides	Single side	
Door seal material	Silicone	Silicone+ magnet	Silicone+ magnet	Magnet adhesive strip	Magnet adhesive strip

Insulation material	High density materials	Rock wool	Rock wool	Rock wool	Rock wool
Temp.range °C	RT+5-90	RT+5-65	RT+5-65	RT+5-65	RT+5-65
Temp accuracy °C	±0.1(Max temp 90°C)	0.1/ °C'±0.5	±0.5	±1	±0.5
Temp Fluctuation	±0.5%	±0.5%	±0.5%	±1%	±0.5%
Timer	●	●	●	With“A”●	With“A”●
Over temperature alarm	●	●	●	With“A”●	With“A”●
Warranty	3 years	2 years	2 years	2 years	2 years

KENTON APPARATUS LTD.

Manufacture of drying oven, lab incubator, climate chamber, laminar flow cabinet, biological safety cabinet(OEM,ODM)

Kenton is a laboratory instrument manufacturer. In 1999, Kenton produced the first batch of 101 series drying oven and launched them on the market. Later, it successively launched incubator, biochemical incubator and other series. In 2005, we obtained ISO: 9001 quality certification, and in 2008-2012, we successively obtained CE certification. In 2013, a new generation of product series was introduced, and its functions and uses were comprehensively upgraded. The liner material was upgraded to SUS 304 stainless steel. In 2011, we expanded the global market, and now our products are sold to Europe, America, Southeast Asia major markets. Kenton manufactures laboratory equipment under our own brand. Our product line includes biological safety cabinets, artificial climate chambers, drying ovens, incubators, high temperature chambers, humidifiers, water baths, industrial air ovens, laminar flow cabinet, biochemical incubators, vacuum ovens, constant temperature and humidity chambers, and light incubators, among other series. The 30,000 sets produced annually are expected to expand at a pace of 20% annually. It has emerged as South China's biggest and most significant equipment manufacturer. The business has launched Kenton Technology Ltd. to concentrate on the development of supporting equipment in the disciplines of biological research and life sciences, in response to changes in worldwide market demand. We increased the new product series, which includes: blood oscillator, anaerobic oven, (Ultra)low temperature refrigerator, non-pipeline clean gas fume hood, sterile isolation cabinet, drug testing safety cabinet, etc., via independent research and development and technical advancement. Numerous scientific research departments, medical preservation, genetic vaccination, and other businesses make extensive use of our goods. In the meanwhile, we have expanded our recognition and support and have sold to Europe, America, Southeast Asia, Australia, the Middle East, and other international markets thanks to consistent investment, research and development, and advancements in workers, equipment, and technology. To supply top-notch goods and services to reputable laboratories and scientific research centers, as well as to mining and industrial companies both domestically and internationally.

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