Haier Biomedical
Intelligent Protection of Life Science

Standard Incubator

Precise and stable operation
With optional real-time IoT monitoring

HZP-168 HFP-80

Scope of Application:

Widely used for bacteria, fungi and microorganism cell culture as well as enzyme digestion reaction, ligation reaction, embedded incubation and other related constant temperature experiments.

Innovative Design

- Multiple security protection
- Scalable bulk data storage
- Personalized interface
- High quality insulation and cabinet construction
- Large arc angle interior, easy to clean

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Ergonomic Design

Personalized interface, easy to link

Equipped with USB and RS485 interfaces to meet the different needs of users to transfer data.

Scalable bulk data storage

The touchscreen's memory can be increased to 64GB to store up to 15 years' data which can be exported via USB

Multiple protection benefits for increased security

Overheat protection (OPT), over current protection (FU), sensor error detection, independent temperature limit, compliance with DIN 12880 requirements and EU 3.1 safety level. Sound, light and remote alarms (optional) which guarantee experiment safety. Multiple alarms, such as over temperature alarm, high and low temperature alarm, door ajar, and sensor error alarm.

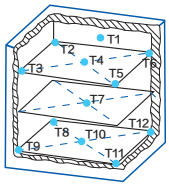
High thermal insulation performance, energy saving and environmental protection

The unit is manufactured with aluminum foil insulation cotton, which improves the overall insulation performance and reduces energy consumption, lowering costs while also being environmentally friendly.

Fuzzy PID Control Technology

HZP-168
Natural Convection

HFP-80
Forced Convection



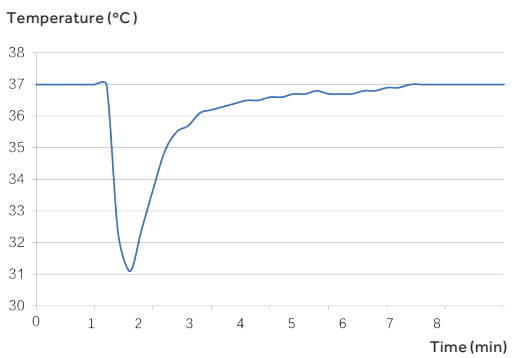
ASTM standard,
12 points testing

Fuzzy PID control technology and high performance four-sided heating mechanisms are used to achieve precise temperature control with superior uniformity.

Rapid Recovery After Door Open

Rapid warming: the temperature inside the unit quickly recovers after opening the door to reduce the influence of temperature fluctuation on the sample.

The temperature rise curve to 37°C after opening the door for 30 sec at 22°C ambient temperature



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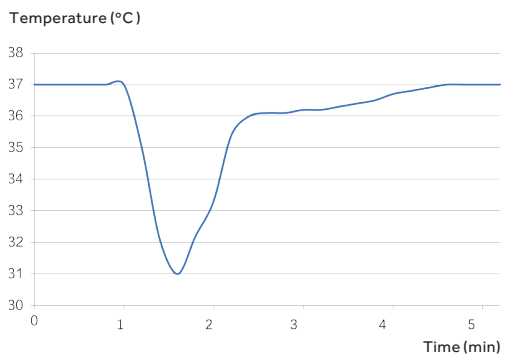
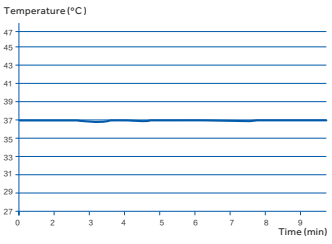


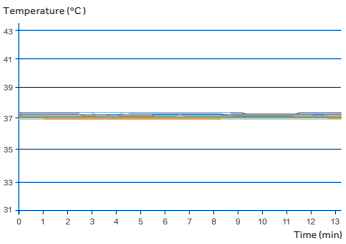
HFP-80

Precise Temperature Control, Energy-efficient and Environment-friendly

An energy-efficient model with superior control and heating mechanisms, high-quality insulation material and cabinet structure to ensure heating requirements are met while keeping power consumption to a minimum.

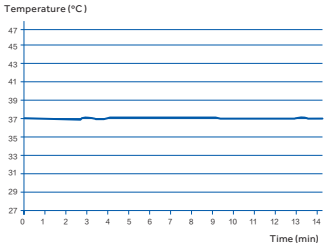


Temperature fluctuation ±0.1°C (37°C)

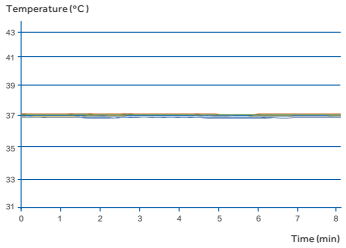


Temperature uniformity ±0.5°C (37°C)

HZP-168



Temperature fluctuation ±0.1°C (37°C)



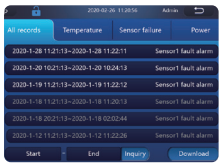
Temperature uniformity ±0.3°C (37°C)

HFP-80

Convenient and Intelligent Management at a Glance

7-inch touchscreen, easy to operate and sensitive, it can respond quickly even when wearing rubber gloves.

Real-time display of temperature data, one-touch to review previous data.



Records abnormal information in real time, eliminating any hidden abnormalities which ensures the culturing is more secure.

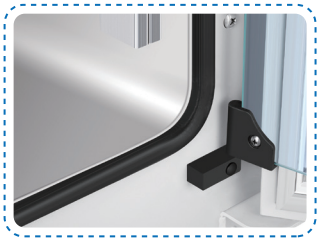
Multiple operating modes.

The program can be edited and set at any number of segments to meet the needs of various detection tests.

Optional IoT Technology for Real-time Remote Monitoring

Through the mobile app, the status of the incubator can be checked in real time, and information such as temperature alarm, sensor error alarm and door ajar can be controlled with one button, which provides more security for the experiment process.

Pictures in Details



Seamless, curved internal chamber for easy cleaning and decontamination.

Standard independent intelligent temperature safety controller to ensure experimental safety; RS485 achieves seamless IoT data connection.

Product Parameters

Model			HZP-168	HFP-80
Performance	Temperature Sensor		PT100	PT100
	Control Accuracy	℃	±0.1	±0.1
	Control Range	℃	RT+5~105	RT+5~105
	Temperature Fluctuation (37℃)	℃	±0.1	±0.1
	Temperature Uniformity (37℃)	℃	±0.5 at 37	±0.3 at 37
	Recovery Time After Open Door for 30s (37℃)	min	5	2.5
Control	Heating Mode		Direct Heating	Direct Heating
	Control Principle		Fuzzy PID	Fuzzy PID
	Display		7" LCD Touchscreen	7" LCD Touchscreen
Electrical	Power Supply (V/Hz)		220-240~50/60	220-240~50/60
	Power (W)		640	510
Dimensions	Capacity (L/Cu.Ft)		168/5.9	80/2.8
	Net/Gross Weight	Kg	99/110	72/80
		lbs	217.8/242	158.4/176
	Interior Dimension (W*D*H)	mm	490*550*626	400*400*480
		in	19.3*21.7*24.6	15.7*15.7*18.9
	Exterior Dimension (W*D*H)	mm	650*782*1028	560*662*870
		in	25.6*30.8*40.5	22.0*26.1*34.3
	Packing Dimension (W*D*H)	mm	800*900*1200	720*770*1060
		in	31.4*35.4*47.2	28.3*30.2*41.6
	Shelves		2/17	2/12
	Shelf Capacity	Kg	20	20
	Partition Spacing	mm	20	20
Alarms	High/Low Temperature		Y	Y
	Over-temperature Protection		Y	Y
	Sensor Error		Y	Y
	Door Ajar		Y	Y
	End of Program		Y	Y
	Alarm Mode		Sound and Light / Buzzer	Sound and Light / Buzzer
Accessories	Mechanical Independent Temperature Limiting Switch		Y	Y
	RS485		Y	Y
	USB		Y	Y
	IoT Module		Optional	Optional
Certification	CE		Y	Y

*Haier Biomedical reserves the right to change products and specifications without prior notice.