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Shanghai Huxi Industry Co., Ltd.,



HLC-2027E High and Low temperature Digital Water Bath

1. Product Application

HLC series vertical high and low temperature constant temperature baths are widely used in

colleges and universities, enterprise quality inspection, etc. in the fields of biology, chemical

engineering, chemistry, pharmaceuticals, life sciences, physical property testing, etc.

It provides users with a field source with controlled heat and cold, uniform and constant

temperature during experiments and production, and performs constant temperature

experiments or tests on test samples or products. It can also be used as a heat source or



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cold source for direct heating or cooling and auxiliary heating or cooling.

2. Product Features

(1) Maintenance-free pressure/suction pump, resistant to fiber and metal particles, can stir the bath

liquid horizontally and vertically to make the stirring more uniform;

(2) Multiple safety protection: low liquid level protection, can alarm with light and sound;

Parts in contact with liquid or steam are made of high-performance stainless steel and

high-performance plastic;

Pt100 temperature sensor, single-point and two-point temperature calibration;

Internal circulation, the internal circulation is standardly equipped with two sample cup

holders of different heights, suitable for constant temperature and viscosity test of different

sample cups in the bath;

External circulation can be achieved to keep the water bath jacket of the viscometer constant

temperature, suitable for sample viscosity test of the viscometer in the water bath jacket outside

the bath;

The buzzer can be set to silent or audible.

3、 Technical Parameters

Product model	HLC-2027E
Product number	1032048001
Water tank capacity (L)	27
Temperature range (°C)	-20~100



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Temperature control fluctuation value (°C)	±0.05
High temperature direct drop	/
Circulation method	Internal and external circulation
Ambient temperature (°C)	5~32
Power supply voltage (V)	200~230
Temperature display method	LED
Setting method	Membrane button
Safety protection	Low liquid level protection, high temperature protection
Heating power (W)	2000
Cooling capacity (W)	900
Refrigerant	R134a
Water pump flow (L/min)	22
Pump pressure (bar)	0.3
Pump suction (bar)	0.2
Lift (M) (maximum/rated)	2.0/1.0
Circulation interface	10mm pagoda connector
Water tank opening (mm) (WxDxH)	295*295*200
Overall dimensions (mm) (WxDxH)	350*570*778
Outer box dimensions (mm)	420*640*850
Net weight (kg)	32
Gross weight (kg)	34



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4、 Packing List

Name	Quantity
Host	1 unit
DN8 connector	2 pieces
M16*1 nut	2 pieces
8*12 insulation pipe	1.8m*2 pieces
Certificate of conformity (including warranty card)	1 set
Instruction manual	1 set