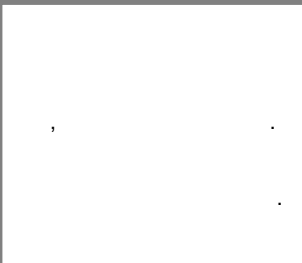


(DAC-40/60/80/100)

Digital Auto Clave






## Contents



---



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- 2.
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- 6.
- 7.
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9. A/S
10. Specifications



# Digital Auto Clave



 : , ,  
 : 가 ,  
 : 가 , ,

	
	가 , , 가 , ,

# Digital Auto Clave

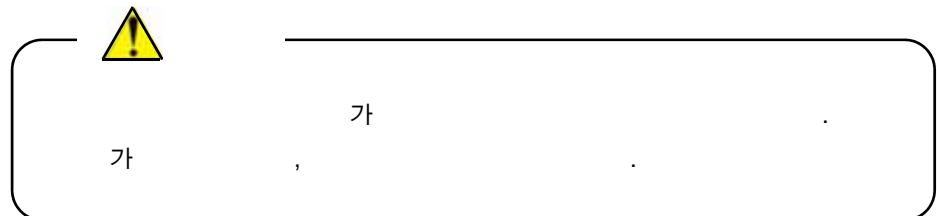
1.

---

- 1) .
- 2) Digital P.I.D Controller 가 .
- 3) Start , ,
- 4) , Buzz가 .

2.

---



- 1) , , , .
- 2) .
- 3) .

# Digital Auto Clave

3.



Chamber

가 ( , , 가 )  
가 , .



- 
- 
- 
- 

가  
Power Cord



- 
- 
- 
- 
- 
- 
- 
- 

220V, 50/60Hz

가 가  
가

Short-Circuit

가

Power Cord

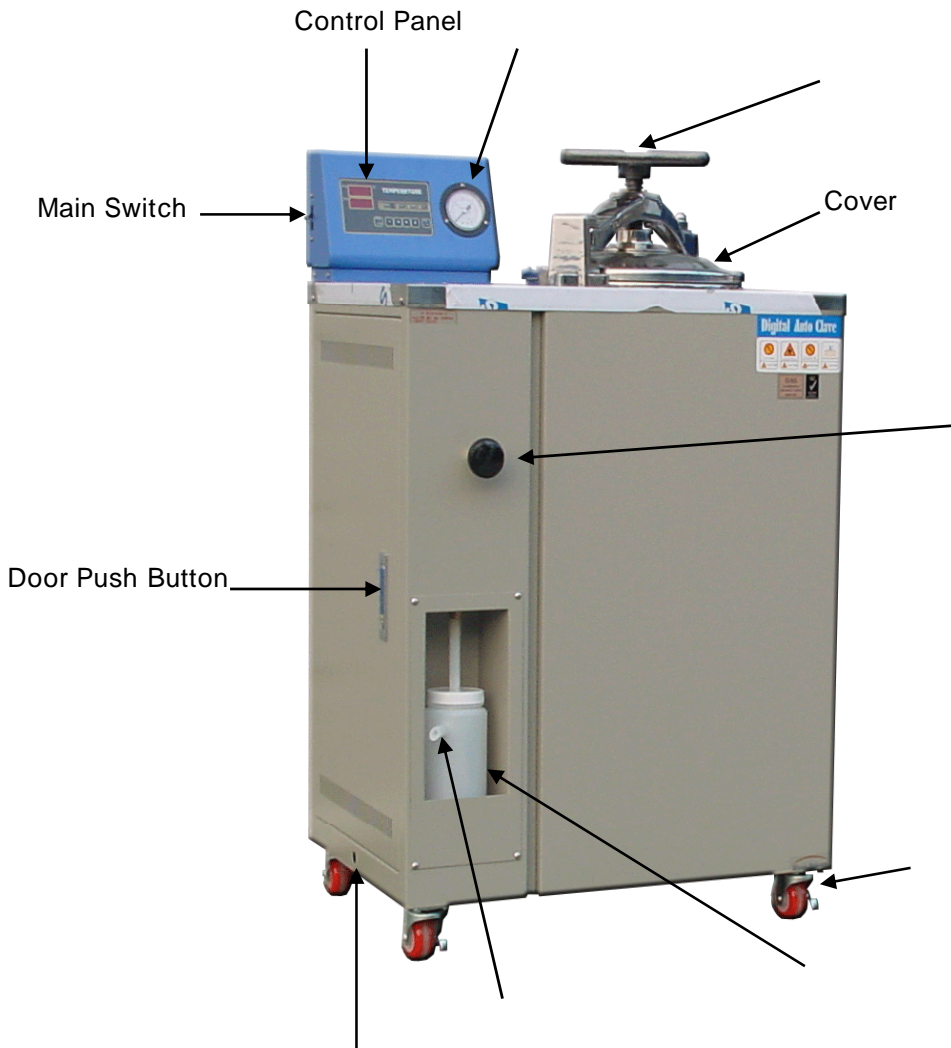
Power Cord

Cord가

# Digital Auto Clave

4. ( )

---

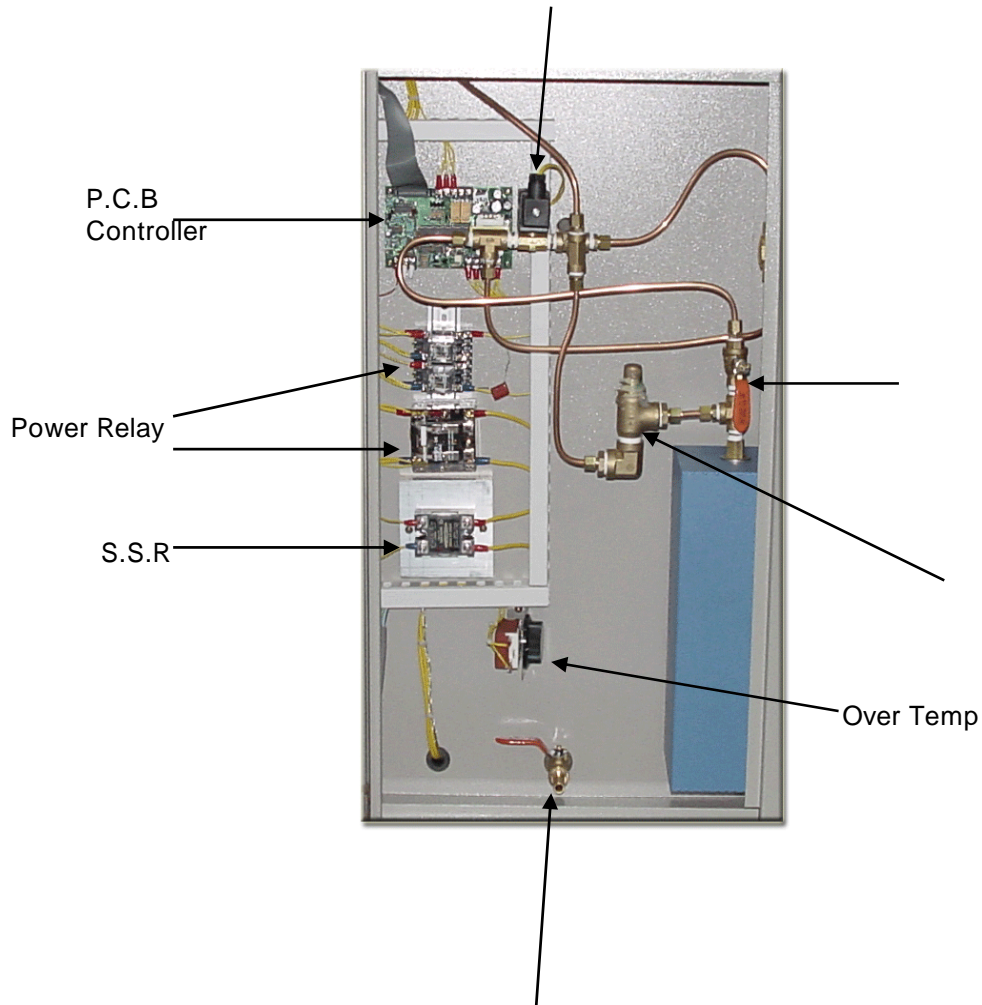


:  
:  
:  
:  
가  
( 가 .)

# Digital Auto Clave

( )

---



Over Temp:

(

.)

## Digital Auto Clave

5.

---

1.

2.

(

( )

)

3.

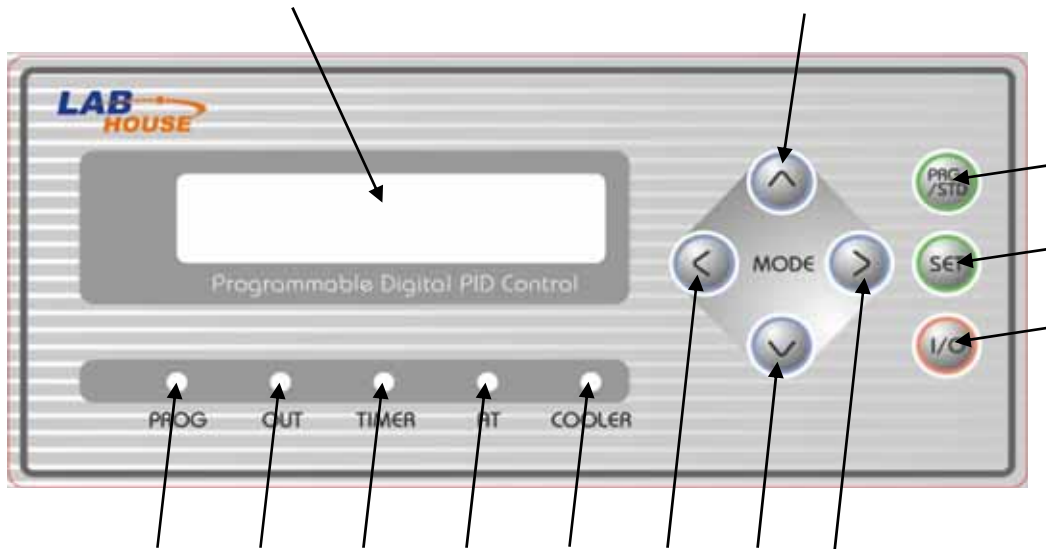
4. MAIN POWER

5.

(Controller

.)





LCD display  
 Program  
 Heater  
 Timer  
 Auto tune  
 Cooler On/Off

가  
 ( 5  
 Auto tune ) (Mute : Door 가  
 )  
 Program Standard  
 (Pattern )  
 Start/Stop ( On/Off  
 )

1.

Power ON

2.

```
PV: 23 °C Tm: **: **
SV: 50 °C Ready
```

PV : , SV : , Tm : , Ready :

Start

~

Standard

3. Standard

```
<SU Input>
SV: 50 °C Tm: 00:00
```

```
PV: 24 °C Tm: 00:06
SV: 50 °C Ready
```

```
PV: 24 °C Tm: 00:06
SV: 50 °C Run..
```

Start/Stop

4. Program

Standard  
Cool

Program

Standard

3

PGM

PV: 23 ℃ P1-Step1  
Press Start Key ..

PV : , P1-Step1 : Pattern No. 1 and Step No. 1

1  
가

Start/Stop

PV: 23 ℃ Cycl: 4  
SV: 40 ℃ Ts:00:30

4 cycle

23

40

30

5.

Standard

Program

1

5

Start/Stop

~

가

5

P1-STEP<1> Ts:00:30  
SV: 0040 ℃ Tm:00:30

P1-STEP<1> : No. 1 No. 1, SV : , Tm :  
Ts :

\*

Ts

0

Ts

Tm

가

가

가

Ts

Tm

가

가

Ts

P1-STEP<2> Ts:00:30  
SV: 0060 ℃ Tm:00:30

가

P1-STEP<3> Ts:00:30  
SV: 0080 % Tm:00:30

가 3 1 가  
( 9 )

P1-STEP<4> Ts:00:00  
SV: 0100 % Tm:00:00

Ts, Tm 0 1 Cycle  
1

Run Cycle No: [00]   
After End, [Next]

999 가 '000' Program Standard  
1 (Pattern ) 'Stop', 'Next', 'Menu'  
'Next': ( 2 )  
'Manu': Standard  
'Stop':

PV: 23 % P1-Step1  
Press Start Key ..

1 가 Cycle 가 Start/Stop 가  
1 Stop', 'Next', 'Menu'

6.Auto Tuning

```
PV: 24 % SV: 50 %
*** Auto Tuning ***
```

```
P.I.D   ARW(Anti Rest Wind-up)   가   ,   AUTO
TUNING   . AUTO TUNING
        . AUTO TUNING           AT   5   -   -   ALH   ALH   가   가
        . AUTO TUNING           AUTO TUNING
AUTO TUNING           AT   5
        ALH   가   AUTO TUNING
** AUTO TUNING
        AUTO TUNING           가
**
        가
        Step 2   Ts           가   Step 2   Tm           Step 2   Tm
Step 3   Ts           .           Step 3   Ts           00:00           Step 3   Tm
```

---

7. Error Error message

가

8)Max , Input

\*\*\*\* Error \*\*\*\*  
Sensor Input Opened

가 Short

\*\*\*\* Error \*\*\*\*  
Sensor Input Shorted

PV:32.0 Tm:00:00  
End!..Press Stop Key

Auto\_tuning

PV:32.0 SV:120.0  
\*\*\* Auto Tuning \*\*\*

- Error message -

\*\*\*\* Error \*\*\*\*  
Sensor Input Opened

가

a. (1-3)

b. Parameter  
'Max, Input : 100.0 가 100.0 가

\*\*\*\* Error \*\*\*\*  
Sensor Input Shorted

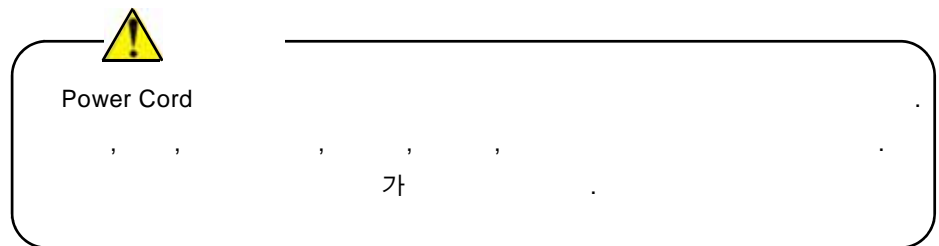
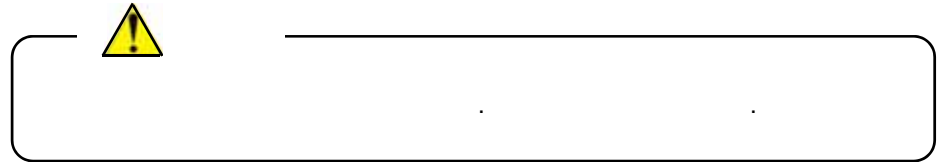
a.

b. -100.0

# Digital Auto Clave

7.

---



1) Chamber

- .
- .
- .

2)

- .
- .
- .

3)


- .

4)

- .
- .
- .

# Digital Auto Clave

8.



- Main [ ]
-

가	- 가 가 - 가 가 - 가
Heating	- Heater
	- - Over Temp. Protection - Heater
Controller	- 가

9. A/S

1) 1

A/S

- (가 .)

- Model

-

★

2)

-

-

- , ,

-

3)



## 10. Technical data

---

Temp	Range	Amb. +10 to 125
	Controller	Digital PID Auto turning controller
	Sensor	PT - 100ohm
	Accuracy	±0.5
Timer	Controller	Digital display
	Range	99 min 59 sec
Material	In	Stainless steel
	Out	Steel plate with powder coating
	Basket	Stainless steel 2ea
Pressure		0 to 3Kg/cm <sup>2</sup>
Safety		Over current glass fuse
Power		AC 220V, 60Hz, 1 ̸

## Specification

---

Model	DAC-40	DAC-60	DAC-80	DAC-100
Capacity	40Liter	60Liter	80Liter	100Liter
In Size( ̸ xH)mm	300x650	350x650	400x650	450x650
Out Size(WxDxH)mm	530x750x950	530x750x950	750x600x950	850x650x980
Heater Capacity	2,000W	3,000W	4,000W	5,000W

\*

[www.Humans.co.kr](http://www.Humans.co.kr)

RECYCLABLE

Made in Korea

2005 - 7A