User Manual



Please read the manual before installation and operation.

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Medicine Stability Testing Chamber

User Manual

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Thanks for purchasing the equipment, please carefully read the manual before operating.

I:Precautions

1) After the equipment is in place, lock the front casters to make the chamber stable.

2) To protect the compressor, pls turn on the instrument after 48 hours when placed.

3) Connect the 220V / 50Hz power supply, and the power socket should be reliably grounded.

4) The device should be placed in a place that is protected from sunlight, cool and ventilated. The distance between the device and the wall must be more than 10 cm. Handle with care, the angle with the ground level should not be less than 45 °.

5) A In order to maintain the good appearance of the equipment, pls do not wipe the machine surface with acid or alkali or corrosive substances. The inside and outside of the instrument can be regularly cleaned with dry cloth.

6) \bigtriangleup In order to obtain good working performance of the equipment, the difference between the working temperature and the environment should not be too large, and the ambient temperature should preferably be (20 ± 5) °C.

7) Tuse is installed at the back of the control box for this equipment. If the equipment is not powered, please check whether the fuse tube is intact. please cut off the power before checking and replacing the fuse tube and replace the same type and specifications!

8) Fans are installed in the operation room. Don't insert your fingers or objects into the fan cover to avoid safety accidents and damage to the fan .Please cut off the power before changing the fan.

9) Stop using ,please turn off the power switch.

10) To not store flammable or explosive materials or hazardous materials in the instrument working room.

11) There is an overflow pipe on the back of this device. A small amount of water will

be discharged during use. Please use a leather pipe to connect to the container or the sewer.

12) There is a drain pipe at the back of the device. When the device is not in use, water is drained from the inside of the chamber.

II:Application

The product has a precise temperature an, humidity and light control system, which provides various environmental simulation conditions for industrial research and biotechnology testing. It's widely used in drug and food processing, etc.

III. Technical Specifications

	DW-LDS-175Y-N/DW-LDS-175T-N	DW-LDS-175GY-N/DW-LDS-175GT-N	DW-LDS-175HY-N
	DW-LDS-275Y-N/DW-LDS-275T-N	DW-LDS-275GY-N/DW-LDS-275GT-N	DW-LDS-275HY-N
	DW-LDS-375Y-N/DW-LDS-375T-N	DW-LDS-375GY-N/DW-LDS-375GT-N	DW-LDS-375HY-N
Model	DW-LDS-475Y-N/DW-LDS-475T-N	DW-LDS-475GY-N/DW-LDS-475GT-N	DW-LDS-475HY-N
	DW-LDS-800Y-N/DW-LDS-800T-N	DW-LDS-800GY-N/DW-LDS-800GT-N	DW-LDS-800HY-N
	DW-LDS-1075Y-N/DW-LDS-1075T-N	DW-LDS-1075GY-N/DW-LDS-1075GT-N	DW-LDS-1075HY-N
	Temperature & Humidity	Temperature & Humidity & Light	Temperature & Light
Temperature Range(℃)	0~65 Without Illumination:4~50		
	With Illumination:10~50		
Temperature Fluctuation	High±0.5℃、Low±2℃		
Temperature Uniformity (°C)	±2		
Humidity Range(RH)	30~95% None		
Humidity Stability(RH)	±3%RH		
Temperature Resolution($^{\circ}\!C$)	0.1		
Illumination(LX)	None 0~6000 adjustable		
Illumination Difference((LX)	≤±500		
Timing Range	1~99 hours/period		

Balance temperature and humidity adjusting Balance		Balance
		temperature
		adjusting
Imported compressor		
Y: Programmable (LCD display)	GY: Programmable (LCD display)	HY:Programmable
T: Programmable (touch screen)	GT: Programmable (touch screen)	(LCD display)
PT100		PT100
Capacitance s	sensor	
RT+5~30℃		•
AC 230V±10% ,50HZ		
1400/1950/2600/2800/3000/3200	1650/2200/2700/2900/3100/3300	1300/1750/2400/260
		0/2700/2800
175,275,375,475,800,1075		•
450×420×930		
580×510×935		
590×550×1160		
700×550×1250		
965×610×1370		
950×700×1600		
3		
Yes		
Compressor overheating and over pre	essure protection, Fan overheating protect	tion, Over temperature
protection, Overload protection,water s	hortage protection	
	Balance temperature and humidity adju Imported compressor Y: Programmable (LCD display) T: Programmable (touch screen) PT100 Capacitance s RT+5~30°C AC 230V±10% ,50HZ AC 230V±10% ,50HZ 1400/1950/2600/2800/3000/3200 175,275,375,475,800,1075 450×420×930 580×510×935 590×550×1160 700×550×1250 965×610×1370 950×700×1600 3 Yes Compressor overheating and over pre- protection, Overload protection,water s	Balance temperature and humidity adjustic Imported compressor Y: Programmable (LCD display) T: Programmable (touch screen) PT100 Capacitance surver RT+5~30°C AC 230V±10% ,50HZ 1400/1950/2600/2800/3000/3200 1650/2200/2700/2900/3100/3300 175,275,375,475,800,1075 450×420×930 580×510×935 590×550×1160 700×550×1250 965×610×1370 965×610×1370 950×700×1600 3 Yes Compressor overheating and over presure protection , Fan overheating protection

IV:Operation Instruction



Panel instructions

Display window:

- (1) : period or segment value;
- (2) : timing or time setting value;
- (3) : temperature measurement value;
- (4) : temperature setting value;
- (5) :humidity measurement value;
- (6) :humidity setting value;
- (7) : heating output;

Key definition

Lock	Under normal display, long press the key for 2 seconds to manually lock or unlock the screen.
Light	Under normal display, press the key to turn on the light inside
Set	In the normal display, press the key to enter the modification interface of setting value , long press the key for 3 seconds to enter the parameter modification interface.
Shift	In the setting state, press the key to make the setting value shift and modify. If running mode, can switch the display for segments or cycle.

Increase	Press the key in the setting state to increase the setting value.
Decrease	Press the key in the setting state to decrease the setting value.
Run/Stop	In the normal display state, press this key to start or stop the operation

Temperature and humidity setting

1)Before setting the temperature and humidity, please fill the equipment with pure water until the upper limit of the water level.Turn on the power switch and press the Run/Stop key to start the operation.

2)Press the set key, the number in (4) display window flashes, can set the temperature you by pressing shift, increase and decrease key.

3)Press set key again, the number of (6) display window flashes, can set the required humidity by pressing shift, increase and decrease key.

Parameter indication	Parameter name	Description for parameter function	Factory default
Lc	password	When "Lc = 103", you can view and modify the parameter value.	0
тн	Upper deviation Over temperature alarm	If "Measured value> Set value + TH", upper deviation alarm will be turned on and temperature and humidity output will be turned off. During the alarm, the temperature alarm relay has output, the buzzer beeps, the alarm indicator lights up, the temperature unit flashes quickly, click any key to cancel the beep, and the relay turns off the output.	(0∼20.0℃) 5.0
TL	Lower deviation Over temperature alarm	If "measured value <set +<br="" value="">TL", there will be lower deviation alarm. During the alarm, the temperature alarm relay has an output, the buzzer beeps, and the temperature unit flashes slowly. Click any key to cancel the beep. Note: When "TL = 0", this function is invalid.</set>	(-50.0∼0℃) 0
Тb	Deviation correction	Correct the error caused by sensor (low temperature) measurement; Tb = actual temperature value-meter measurement value.	(-99.9∼ 99.9℃) 0

Temperature parameter table

TA Slope correction	n Correct the error caused by sensor (high temperature) measurement; TA = 1000 * (actual temperature value-instrument measurement value) ÷ instrument measurement value.	(-999∼999) 0
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Humidity parameter table

Parameter indication	Parameter name	Description for parameter function	Factory default
Lc	password	When "Lc = 103", you can view and modify the parameter value.	0
НН	Upper deviation Over humidity alarm	If "Measured value> Set value + HH", upper deviation alarm will be turned on and humidity output will be turned off. During the alarm, the humidity alarm relay has output, the buzzer beeps, the alarm indicator lights up, the humidity unit flashes quickly, click any key to cancel the beep, and the relay turns off the output.	(0∼50.0%) 20.0
HL	Lower deviation Over humidity alarm	If "measured value <set +="" hl",="" there="" value="" will<br="">be lower deviation alarm. During the alarm, the humidity alarm relay has an output, the buzzer beeps, and the humidity unit flashes quickly. Click any key to cancel the beep. Note: When "HL = 0", this function is invalid.</set>	(-50.0∼0%) 0
Hb	Deviation correction	Correct the error caused by sensor (low humidity) measurement; Hb = actual humidity value-meter measurement value.	(-99.9 ~ 99.9%) 0
НА	Slope correction	Correct the error caused by sensor (high humidity) measurement; HA = 1000 * (actual humidity value-instrument measurement value) ÷ instrument measurement value.	(-999~999) 0

V:Wiring diagram



VI:Printer Instruction



- 1. Time display:in normal conditions, display the current time (hours and minutes)
- 2. OUT indicator: the light turned on, indicates that there is a printout or data is written to the U disk;
- 3. COM indicator: flashing light indicates the current communication is normal;
- 4. USB indicator: the light turned on means that the current U disk has been correctly inserted and data can be written;

5. Increase key: Under normal state, click or long press the key to increase the printing interval time setting value. Under parameter setting state, click or long press the key to increase the parameter setting value, when the time setting value is the maximum, then press this key again will automatically flip to the minimum value;

6. Decrease key/OK key: Under normal state, click or long press the key to decrease the setting value of printing interval time.Under parameter setting state, click this key to switch the setting parameters, long press the key to exit the setting and save the set value;

7. The same time, after 3 seconds, enter the parameter setting state

Operation for printer

1)After powered on, the digital tube and the indicator light are all on for 3 seconds and then enter the running state. PRT indicator lights on, time window displays the current time (hours and minutes), the printer prints "Print Test", "Current Date", "Current Data" in sequence, the OUT indicator lights up when printing out. The data is printed according to the printing interval. When the date changes, the date is printed.

2) Under normal conditions, click or to set the printing interval. The setting

range is from 1 to 9999 minutes; in normal status, long press the button for 3 seconds at the same time to enter the password input state, enter the corresponding password to adjust the time and parameters.

Tips for abnormal phenomenon:

Time display shows TErr: communication error,

1) Check whether the instrument communication line is connected correctly;

2)Check whether the power of the instrument is turned on;

Time display shows UErr: U disk read and write error,

1)Check whether the U disk is inserted correctly;

2) Format the U disk or replace the U disk;

3) If don't need U disk storage, can enter the internal parameters to close the U disk function;((if needed, pls contact supplier)

The time display shows PErr: the printer is wrong;

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1)Check if the printer cable is connected correctly;

2) Check the indicator light on the printer, if it does not light, please confirm whether the printer power cord is connected correctly;

3)If do not need the printing function, can enter the internal parameters to close the printing function(if needed, pls contact supplier)

Printer indicator flashes: replace printing paper

VII: USB Instruction

Step 1: Install software



Step 2: Copy data

(1) Find the USB interface on the lower right side of the instrument and plug in the USB disk.



(2) Adjust the interval time according to your experiment requirements.



(3) As picture shows: data exporting (printer and data export normal).



Step 3: Find and click the device monitoring system in program.



Step 4: Select device 1 and enter.

Add/Remove	No. In Pro-		
Device 1	Select device 1	Device 3	Device 4
Device 5	Select device 1	Device 7	Device 8
Device 9	Device 10	Device 11	Device 12
Device 13	Device 14	Device 15	Device 16
Device 17	Device 18	Device 19	Device 20
Device 21	Device 22	Device 23	Device 24
Device 25	Device 26	Device 27	Device 28
Click and	Device 30	Device 31	Device 32
enter	OK	Cancel	

Step 5: Click to enter historical data.

Add/Remove History Data Help	Map Display Exit	Start Communication			
No. Type	Setting	Measured Value	Time Set	Run Time	State
1 🔰 Unknown Box			00:00	00:00	Communication Failed
Click historical data	(export USB copy data))			

Step 6: Click the external DAT file key (Insert the USB with data from instrument to the computer before this operation).

🖼 Search	Test in	- Anno Anno		
Start Tim 2020-04-07 00 : 00 End Time 2020-04-07 13 : 07 Interval One Minute	Select Device	2 3 4 13 14 15 24 25 26 Exit	5 6 7 8 16 17 18 19 27 28 29 30 Select Existed Dat File	9 10 11 20 21 22 31 32 View Imported Data
No. Start Date Start Time End Date End	ITime _1# _2₩ _3₩	4# 5#	Click the exte DAT file key	9# 10# 11#

The - Manual	
E Administrator	
Desktop	
	Computer http://www.max-ltd

Step 7: Click on the desktop to find the computer and click to enter the computer.



Step 8: Find the USB disk with data and enter

Step 9: Find the copied data and click open to enter.



Step 10: After entering, it will show that XXX data has been successfully imported and



Start Tim 2020-04-07 00 : 00 End Time 2020-04-07 13 : 07 Interval One Minute Search Delete Exit Select Existed Dat File View Imported Dat No. Start Time End Time End Time Yes Delete Exit Search Delete Exit StatTime End Date End Time III 2II IIII 2IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	🖼 Search		Transform 1	Aug. Tana			23
No. Start Date End Date End Time 1# 2# 3# 4# 5# 6# 7# 8# 9# 10# Successfully poured 4 data Device Monitor System Guccessfully to import 4 Data Click ok to enter.	Start Tim 2020-04-07 00 00 End Time 2020-04-07 13 07 Interval One Minute •	Select Device	▼ 1 □ 2 □ 12 □ 13 □ 23 □ 24 Delete	3 4 5 14 15 16 25 26 27 Exit	□ 6 □ 7 □ 8 □ 17 □ 18 □ 19 □ 28 □ 29 □ 30 Select Existed Dat Fil	9 10 11 9 20 21 22 0 31 32 View Imported Da	ata
	No. Start Date Start Time End Date E	cessfully pour	2# 3# 4# red 4 data Monitor System ssfully to import 4 Da click ok to a	5# 6#	7##8#	9##10#	<u> 11</u> #

Step 11: Enter this step, you can see all the data you imported successfully and storage status.



VIII: Transportation and storage

1.Care must be taken during transportation. The tilt should not exceed 45 ° and can not be transported upside down. Handle it carefully.

2. Store in a relative humidity not exceeding 80%, non-corrosive gas and well-ventilated room.

IX:After-sales service

The warranty for the instrument is 12 months from delivery (except for the heating elements). If damaged due to non-human factors or can not work normally during warranty period, our company is responsible for free repair or replacement of product parts. Beyond the warranty, we try our best to provide convenience for users.

Problems	Reasons	Solution	
	Socket without power	Change socket	
Na naura aunte	Not plugged or wire broken	Plug well or connect wire well	
	Fuse is open	Change fuse	
	Power switch not on	Switch on.	
The temperature inside	Set temperature is incorrect	Adjust the set temperature	
the chamber does not rise or fall Big deviation of temperature in chamber	Temperature controller is broken	Change the temperature controller	
	Loose cable	Tighten the connection cable	
	The sensor is broken	Replace the sensor	
	The fan is broken	Change the fan	
	The instrument is not corrected	Refer to the Instrument operation instructions for correction	
Humidity does not work inside chamber	The internal humidifier is broken.	Change humidifier	
	The humidification water tank is short of water.	Dredge the water way and add water	

X:Malfunction handling

Note: Maintenance operations shall be carried out by qualified personnel. Please turn off the power supply before repairing.

XI:Packing List

Item	Name	Category	Qty.	Remark
1	Medicine Stability	Machine	1 Set	
	Testing Chamber			
2	Instruction	Document	1 Сору	
3	Fuse	Spare parts	1pc	
4	This packing list	Document	1 pc	

We reserve the right to change the data in the manual without prior notice. The company has the final interpretation right.

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