1. 简单认识一下产品
Appearance

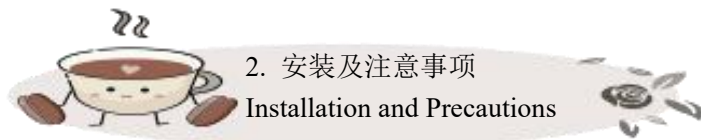
LCD 触摸屏
Touch Screen

记　录　板
Record board

门把锁
Door lock

通氧孔 / 测试孔
Through oxygen hole / Test hole, which can be used to increase the internal oxygen or put in the test probes after opening

稳定底脚
Stable support feet

可 移 动 脚 轮
Movable wheels

Incubator shaker　　　　　　**ZQZY-88AE**

2. 安装及注意事项
Installation and Precautions

★安装 Installation

1. 安装位置 Location and Space Requirements

安装环境：无强烈光照、无强烈腐蚀性气体；安装有合适的通风系统；放置在平稳坚实的地面/平台上；

安装区域：设备后背与墙面间距离应大于 10CM，右侧面需要散热在 30CM 范围内，不得有障碍物遮挡。

The instrument must be situated in a well ventilated area where there is no strong light and hazardous atmosphere. The surface on which the unit is placed must be smooth, level, and able to support the shaker under full load operating conditions.

Allow at least 10cm from the back and 30 cm from the right sight of the shaker to the clear wall. Also allow enough room for the lid to be fully open.

2. 安装环境 Environment

温度：35℃以下；相对湿度：＜85%RH；

The shaker is designed to operate optimally in the following ambient conditions:

·10 ℃ to 35 ℃

·20 to 85% relative Humidity

3. 电源连接要求 Electrical Requirements

AC 220±10%, 50Hz, Capacity 2Kw

> 警告 ！
> 当心！抬起或搬运机器时，机器倾斜不得超过 45 度。
> CRUSH WARNING！
> Be Careful! When raising or handling the machine.
> The machine should not be tilted over 45 degree.

● After installation, fully load the shaker and do a test run at normal speed.

★注意事项 Precautions

为确保您的摇床保持其吸引人的外观，建议使用带有常规家用清洁剂的布偶尔清洁。 我们还建议清扫摇床周围的区域以清除灰尘和其他碎屑，确保摇床内部和周围的空气流动正常。

To ensure that your shaker retains its attractive appearance, an occasional cleaning, using a cloth with conventional household (non-abrasive) cleaner is recommended.

We also suggest that the area around the shaker be swept to remove dust and other debris, ensuring proper air flow in and around the shaker.

> **警告！**
> 清洁和维修设备时，请务必关闭振动台并断开电源线与电源的连接。
> 参与清理任何溢出物的人员应戴手套和安全眼镜。
> **WARNING!**
> When cleaning and repairing the unit, always turn off the shaker and disconnect the power cord from the power supply.
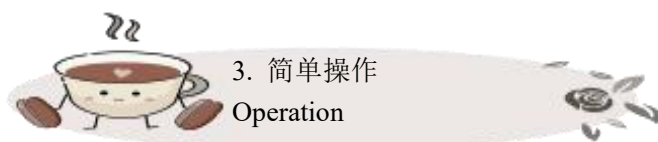> Personnel involved in the cleanup of any spill should wear gloves, safety glasses.

摇床三个月不用或长期在制冷 ON 模式下工作时，应每两周加热一次，防止受潮。 要做到这一点，请按以下步骤操作：

1.将温度重置为 40 ℃；
2. 打开盖子，开始加热；
3. 加热时间至少 4 小时，使水分充分蒸发。

When the shaker not used for three month or long term working on the refrigeration ON mode, should heating it every two weeks to prevent humidity.
To do it as follow steps:

1. Reset the temperature to 40 ℃.
2. Open the lid, making the heating working.
3. The heating time at least 4 hours, make the moisture fully evaporated.

3. 简单操作
Operation

屏幕休眠：
点击即休眠，然后点击屏幕任何一处即恢复。
Screen Sleeping:
Click this icon, the screen will sleep; click anywhere on the screen, the screen will light up

摇轴启动：
"运行"状态长按 3s, 振荡停止；
"停止"状态长按 3s, 振荡开始
Oscillation off and on：
Press"running"about 3s ,it turns "stop"
Press"stop"about 3s , it turns "running"

报警信息显示，报警音响起，点击报警信息即可关闭。
Alarm messages:
When the device alarms, the alarm information will be displayed and the alarm will sound. If you need to turn off the alarm, click it.

基本运行参数设置：
用户名：User 密码：3
进入即可设置温度，速度，运行时间和制冷方式。
（Select: User Password:3 ）
Modify the temperature, speed and time as you need.

运行时间设置为 0.0h, 设备将会一直运行
When the time is set to "0", the device will keep running at the set temperature and speed.

Incubator shaker   ZQZY-88AE