



焊接数据采集仪

操作手册

Welding Logger Operation Manual



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# 一、安全注意事项

尊敬的用户：

您好！感谢您使用本公司的产品，为了您更好的使用本产品，防止人身伤害设备损害事故，请仔细阅读并遵守本说明书中以下的内容。

Dear users:

Hello! Thank you for using our company's products, in order to you better use this product, to prevent personal injury machine damage accidents, please read it carefully and follow the instructions in the following content.



注意警告如果操作错误有可能造成人身、物品财产的损害。

Warning if operating errors may be personal, property damage

## (一)!!! 必须遵守的行为操作事项

！轻拿轻放 Light with light.

！工作人员持证上岗 The staff show certificates.

！工作人员穿专业工作服 The staff in professional overalls.

！工作人员穿专业工作鞋 Staff professional work shoes to wear.

！工作人员使用专业工具 Staff use professional tools.

## (二) ★★★必须禁止的行为操作事项

★禁止违规操作 Ban illegal operation.

★禁止电缆线、设备被碾压 Cable, equipment, rolling is prohibited.

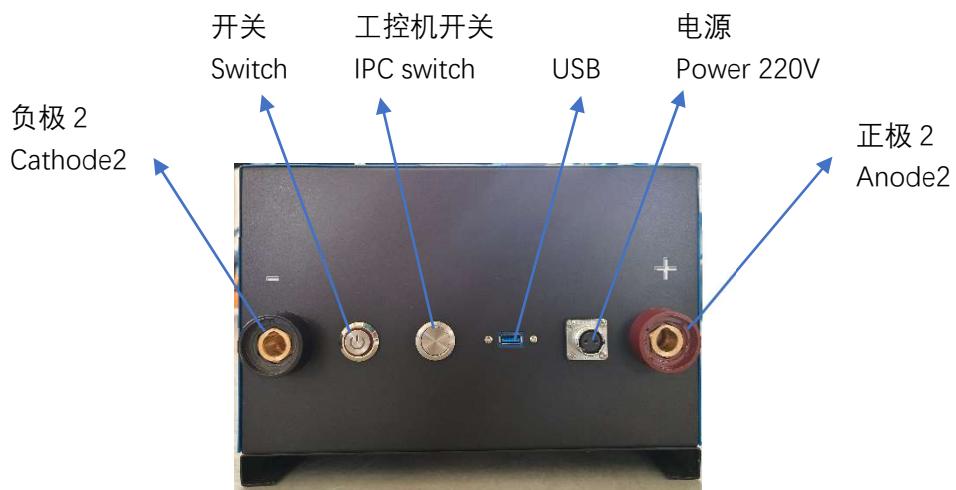
★禁止设备被倒置 It is forbidden to equipment the horse.

★禁止设备被雨淋 It is forbidden to equipment the rain.

# 一、接线说明 Wiring instructions



图片 1 Picture 1



图片 2 Picture 2

1. 正极 1、负极 1 为输入端，用随机配置的线缆对应好连接电焊机。
  2. 正极 1、负极 2 为输出端连接焊把线。
  3. 连接电源 220V、打开开关即可操作使用。
1. The anode, cathode 1 as the input, with random configuration cable corresponding good connection of electric welding machine.
  2. The anode, cathode 2 holder to output connection line.
  3. Connect the power supply, open the switch operation.

## 二、软件操作说明



图 1 数据采集仪软件图标

首先，在桌面双击上面的图标打开软件。



图 2 数据采集仪主界面

打开软件进入主界面如上图（图 2），进入界面软件会自动检测工控机与采集终端的网络连接，如果正常，电压、电流会显示实时值，加入不正常会弹出提示框，后续按提示框操作。



图 3 预设信息设置图

记录前，先点击“设置”按钮，打开预设信息输入窗口，根据实际输入的焊机、焊缝、管道、焊接材料等预设信息进行保存。然后点击“开始”按钮，数据采集装置正常工作，采集到大于 30A 电流开始记录数据，开始后，每 5 秒记录打印一个平均参数，当焊接结束时，点击“停止”按钮结束焊接记录。



图 4 焊接长度输入窗体图

完成一段焊接工作后，点击“长度”按钮，输入此段的焊接长度并保存。系

统会自动计算本段时间内的的平均焊接参数，平均电流，平均电压，总燃弧时间，焊接平均线能量。



图 5 打印与数据导出图

焊接完成后且输入长度软件自动计算出焊接热输入后，点击“打印”按钮，打印机打印出打印本段时间内的的平均焊接参数，平均电流，平均电压，总燃弧时间，焊接平均线能量。点击“导出”按钮，U 盘导出数据包括每一段启动停止范围内的平均电流，平均电压，总燃弧时间，焊接平均线能量，及其他基本信息。假如没有插 U 盘，那么会将数据导出到 D 盘“数据采集仪记录”文件夹。



图 6 中英文切换图

点击右上角的“英文”按钮，会切换显示到英文界面。

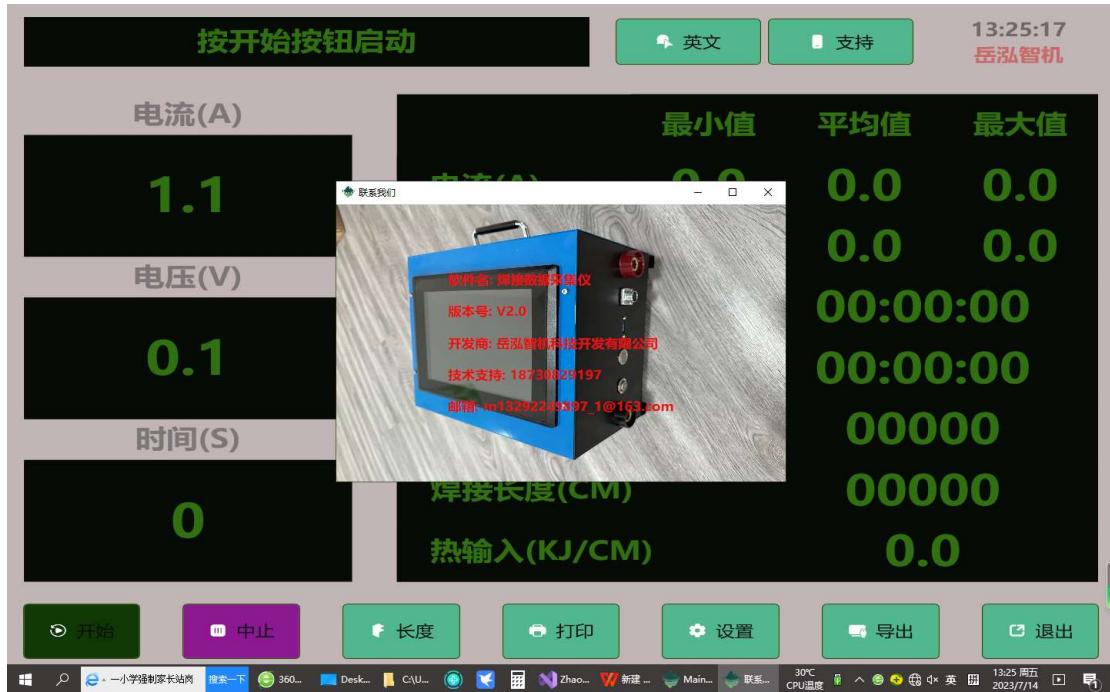


图 7 技术支持界面

点击右上角的“支持”按钮，您可以找到软件信息和我们公司的联系方式，我们将竭诚解答您使用中遇到的问题和建议，再次感谢您的使用。

# Welding logger software instructions



Fig. 1 software icon of welding logger

First, on the desktop, double-click the icon above to open the software.



Fig. 2 main interface of data acquisition instrument

Open the software to enter the main interface as shown above (Figure 2) , enter the interface software will automatically detect the industrial control computer and the network connection terminal, if normal, voltage, current will display real-time values, add abnormal will pop-up prompt box, follow by the prompt box operation.

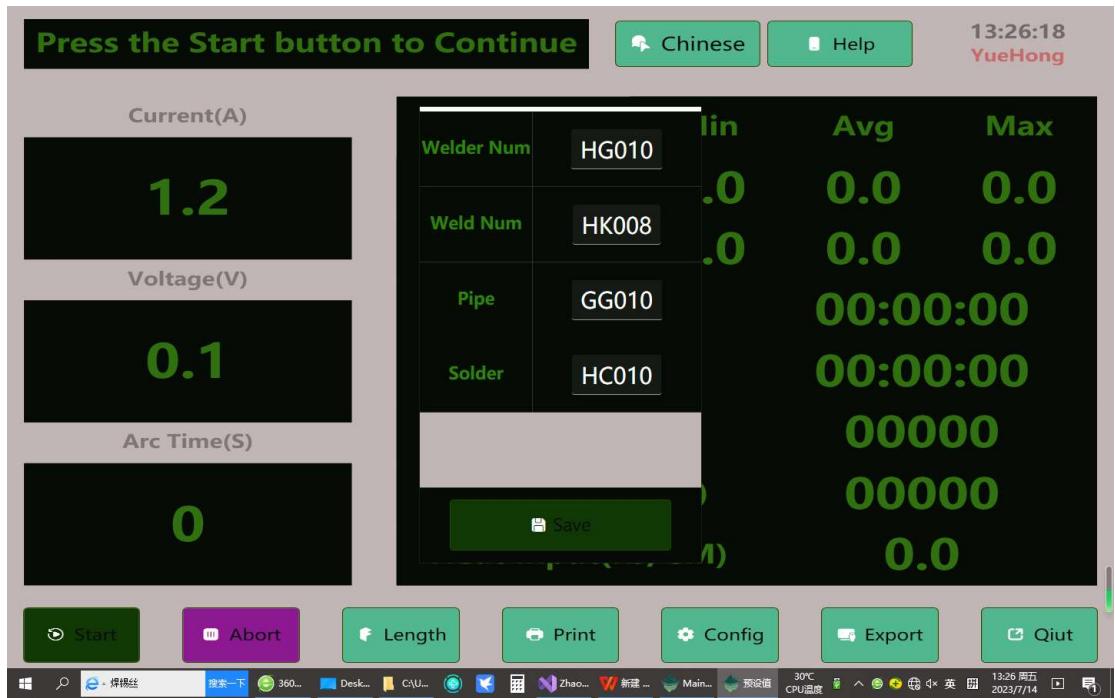


Figure 3. Default information setup diagram

Before recording, first click on the “Settings” button, open the default information input window, according to the actual input welder, weld, pipe, welding materials and other default information and save. Then click on the “Start” button, the data acquisition device works normally, the collection of more than 30 a current began to record data, after starting, every 5 seconds to record print an average parameter, when the welding is finished, click the “Abort” button to end the welding record.



Fig. 4 input form diagram of welding length

After completing a section of welding work, click on the “Length” button, enter the length of this section of the welding and save. The system will automatically calculate the

average welding parameters, average current, average voltage, total arc time, average welding line energy during this period.

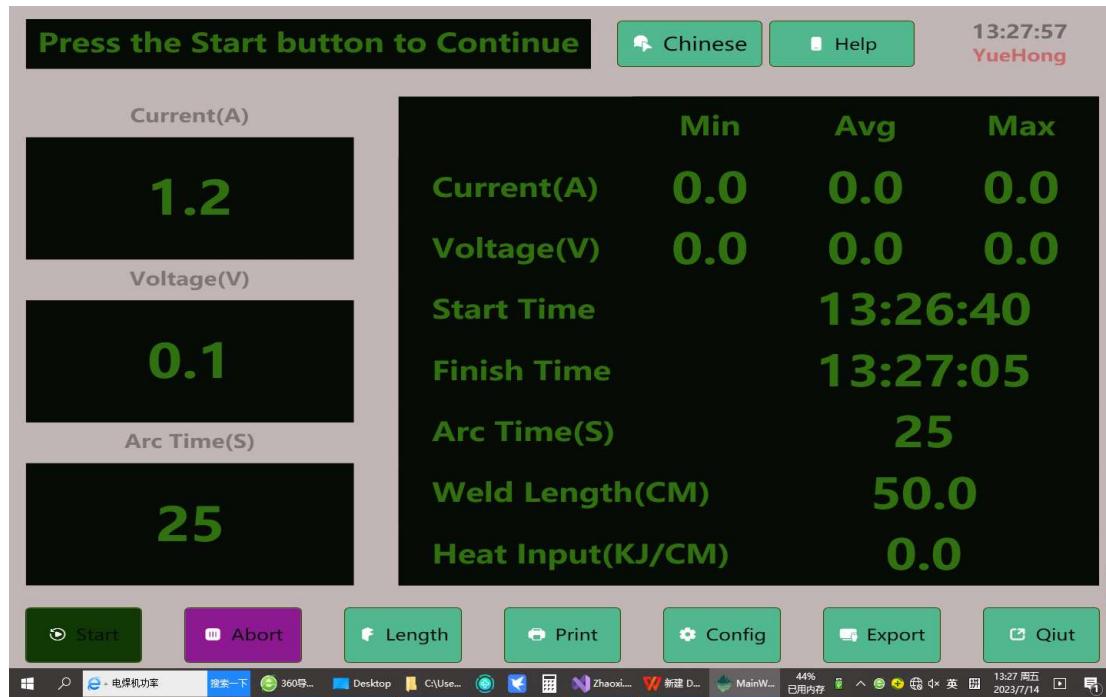


Figure 5. Print and export diagram

After the welding is finished and the input length software automatically calculates the welding heat input, click the "Print" button, the printer prints out the average welding parameters, average current, average voltage during this period of time, total arc time, average welding line energy. By clicking the "Export" button, the USB export data includes the average current, average voltage, total arc time, welding average line energy, and other basic information for each start-stop range. If you do not plug in the U disk, then the data will be exported to D disk "Data collector records" folder.



Figure 6 Chinese and English switching diagram

Clicking the “English” button in the upper right corner will switch the display to the English interface.

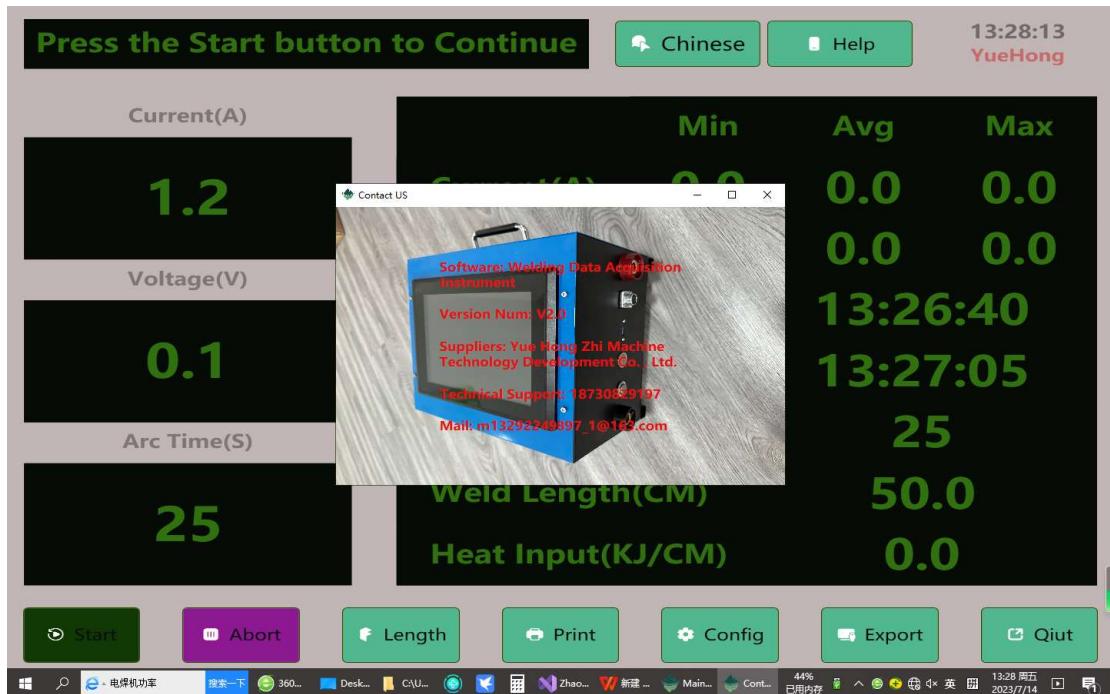


Figure 7 technical support interface

Click on the “Support” button in the upper right-hand corner, you can find the software information and our company's contact information, we will wholeheartedly answer the questions and suggestions you encounter in the use, thank you again for your use.