



V1.8

# **RION INCLINOMETER\_68 HOST COMPUTER SOFTWARE**

## **OPERATION INSTRUCTION**

## ► MAIN PAGE INTRODUCTION

The overall view of the host computer interface (Figure 1-1) is as follows, Mainly consists of Serial port / Device Setting / System setting / Save options / Real time curve / Real time data / Original data. Move the mouse to the prompt message in the column “?” For the description of each column. Please set the correct range and resolution before use. Introduce one by one below.



(Fig.1-1)

## ► OPERATING STEPS

Software setting interface, as shown in Figure 1-2: The following steps:



(Fig.1-2)

### STEP 1: SERIAL PORT SETTING(Fig.1-3)

- 1) After opening the software, select the corresponding port; Select the current calibration mode of the device(N / O / E, **Factory default isN**)
- 2) Select the device's current baud rate.  
(2400 / 4800 / 9600 / 19200 / 38400 / 115200, **Factory default is9600**)
- 3) Click the button Open port.



( Fig.1-3 )

### STEP 2: DEVICE SETTING(Fig.1-4)

- 1) Fill in the equipment address;
- 2) Click the Connect button device, if the operation is correct;
- 3) Set the device zero point;
- 4) Clear the zero point of the device



( Fig.1-4 )

### STEP 3: SYSTEM SETUP(Fig.1-5)

The function of this area is that the customer sets the device according to the needs. If the setting is successful, there is a prompt, and if there is no failure, there is no feedback.

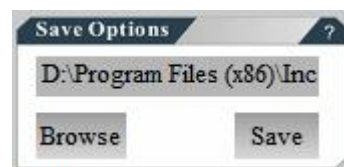
- ① Set device baud rate;
- ② Set the device address;
- ③ Set the device frequency.



( Fig.1-5 )

**STEP 4: SAVE THE FILE**(Fig.1-6)

Edit box shows file path. Click the Browse button to select the storage path. After selecting it, click Save to start saving the data. Open the directory to find the CSV file with the product name + DATA+ date. The file contents are XY axis data, temperature and time.

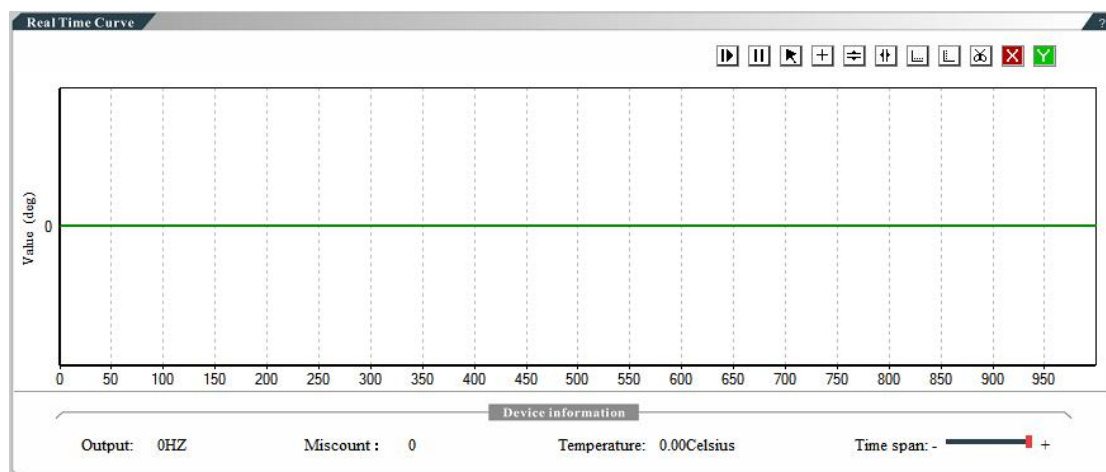


( Fig.1-6 )

► **DISPLAY AREA INTRODUCTION**

**(1) REAL TIME CURVE**

As shown in the following figure (Figure 1-7), the real-time data waveform is displayed, with the horizontal axis as time and the vertical axis as data value. Click on the lower right corner of the drawing frame to zoom in and out. Right click to move the drawing area.



( Fig.1-7 )

- Upper right corner toolbar function in order is starting, pause, display mouse, display cross cursor, enable/disable horizontal axis caliper, enable/disable vertical axis caliper, enable/disable horizontal coordinate scale, enable/disable ordinate scale, screenshot, draw/close X-axis data, draw/close Y-axis data. The picture is saved under the software Picture file.
- The lower left corner is the data output frequency and the output error count;
- If there is no temperature data, ignore it.
- The lower right corner is the data unit to switch and draw the waveform length.

**(2) REAL TIME DATA**(Fig.1-8)

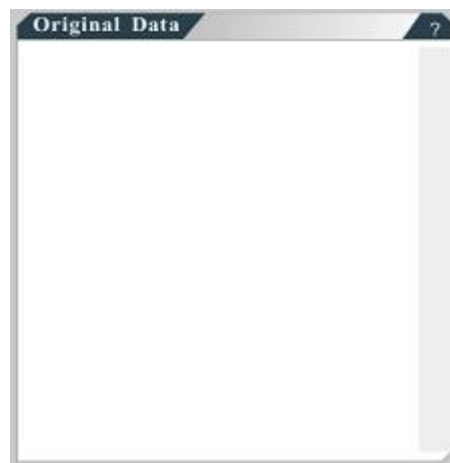
Click on the column to set the equipment range, resolution, display real-time data.

Real Time Data		
Item	X	Y
Set rang	-	-
Set P.R.	0.001	0.001
Value	0.00deg	0.00deg
Vpp	0.0000deg	0.0000deg

( Fig.1-8 )

**(3) ORIGINAL DATA**(Fig.1-9)

The serial port data printing function.



( Fig.1-9 )



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