# DYNAMIC INCLINOMETER HOST COMPUTER SOFTWARE

HOST COMPUTER SOFTWARE INSTRUCTION MANUAL

▶ MAIN PAGE INTRODUCTION

The overall view of the host computer interface (Figure 1-1) is as follows, mainly composed of serial port setting area, device setting area, system setting area, data storage, 3D dynamic view, original data area and main function area. The prompt message at the column "?" is the description of the content of each column. The content of each area is introduced below.
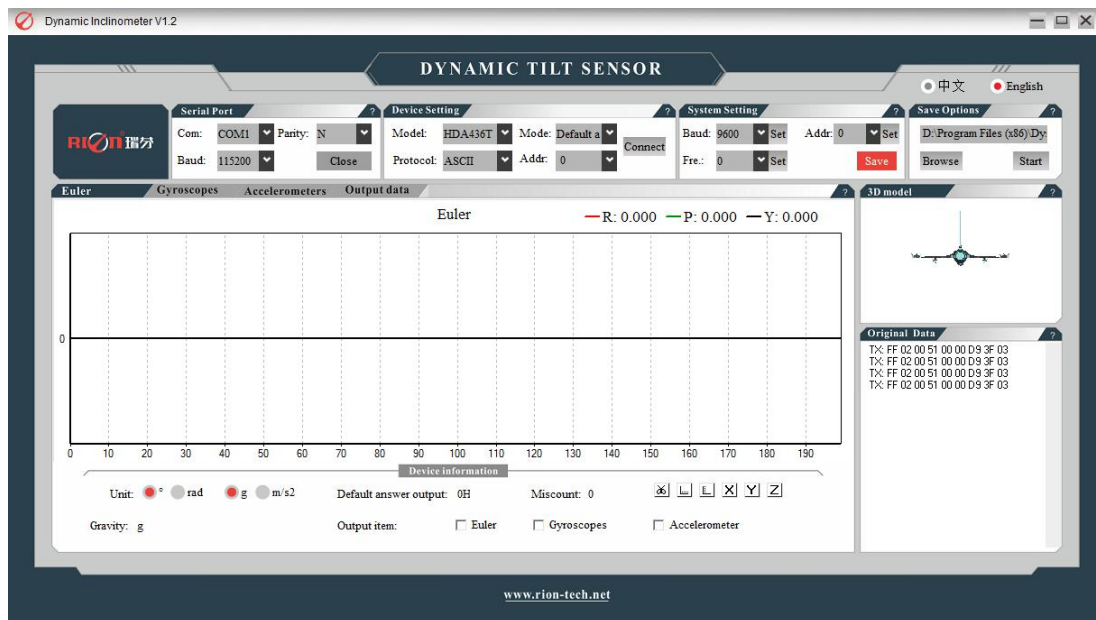
（ Fig 1-1 ）

① SERIAL PORT SET

Com： Select the COM port corresponding to the device.

Baud: Select the current baud rate of the device (2400, 4800, 9600, 19200, 38400, 115200, 256000), the factory default is 9600.

Parity: select the current verification method of the device.

Open: Open the set port.

② SYSTEM SETTING

Model: select the connected device model.

Protocol: Select the protocol used by the connected device.

Mode: data output mode.

Connect: Confirm to connect the device.

③ SENSOR SETTING

Baud: Set the baud rate.

Fre.: Set data output rate.

Addr: Set the address.

Save: Save the settings.

④ SAVE FUNCTION

Path: Display file path.

Browse: select the save file path.

Save: Start saving data.

⑤ MAIN FUNCTION AREA WAVEFORM DRAWING INTERFACE

As shown in (Figure 1-2), the real-time data waveform is displayed, the horizontal axis is the count value, and the vertical axis is the data value. Click the left mouse button to zoom in the drawing area, and right click to move the drawing area.

a. The functions of the toolbar in the lower right corner are screenshot, enable/disable abscissa scale, enable/disable ordinate scale, draw/disable X-axis data, draw/disable Y-axis data, and draw/disable Z-axis data.

b. The lower left corner is the data unit switching, data output frequency and output error count.

c. The device information below is the gravity level and output data items. In the specified output mode, the customer chooses the output item by himself here.
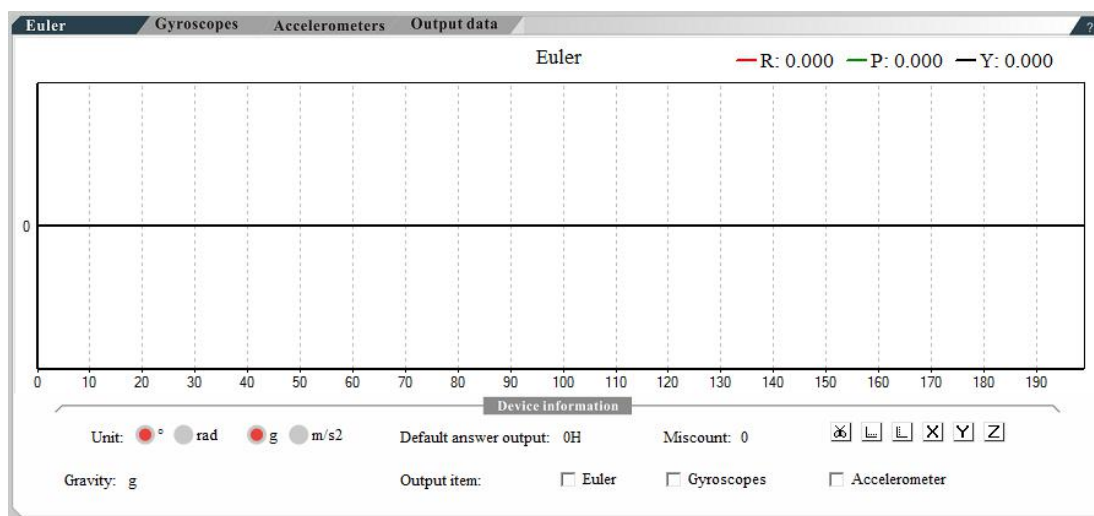
（ fig 1-2 ）

⑥ MAIN FUNCTION AREA OUTPUT DATA INTERFACE

As shown in (Figure 1-3), all real-time data of the device is displayed. This page can set default output items, installation mode settings, and read and write gravity levels.
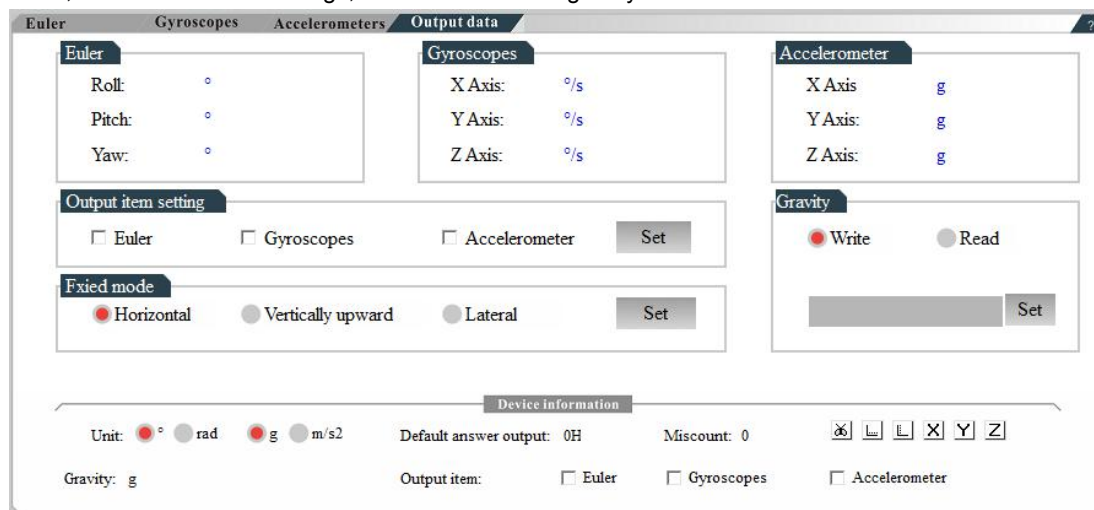
(fig 1-3)

⑦ 3D MODEL
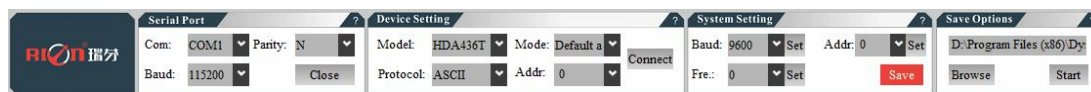
3D dynamic display device posture.

⑧ ORIGINAL DATA

As shown in the figure above, the serial data printing function.

▶ SIMPLE OPERATION STEPS

The software setting interface is shown in Figure 1-2: The operation steps are described below:


(fig 1-4)

(1) FIRST STEP: SERIAL PORT SETTING

1) After opening the software, select the corresponding port.

2) Select the current verification method of the device (NONE, EVEN factory default is NONE)

3) Select the current baud rate of the device (2400, 4800, 9600, 19200, 38400, 115200, 230400, the factory default is 9600)

4) Click the Open button to open the port.
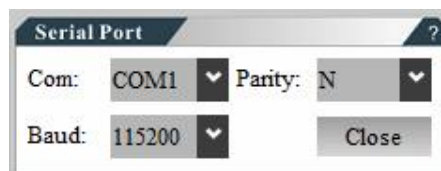
(2) SECOND STEP: DEVICE SETTING

1) Select the equipment model;

2) Select the protocol used by the device:

3) Click the Connect button device, If the operation is correct, you can see the data refresh. ④ Set the output mode of the product according to the needs, and select two modes: automatic, default output Q&A and designated output Q&A. In the designated output mode, the customer data output item selects the output item by itself.
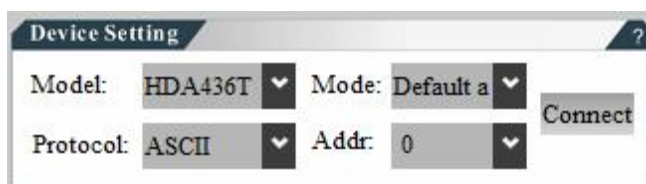

(3) THE THIRD STEP: SYSTEM SETTINGS

The function of this area is that the customer sets the equipment according to the needs, and there will be a prompt if the setting is successful.

1) Set the device baud rate;

2) Set the device address;

3) Set the data output frequency, When the output mode is automatic mode, set the frequency for the command; When the output mode is the question and answer mode, it is the inquiry frequency.

4) You need to click the Save button to save the settings.

(4) THE FOURTH STEP: SAVE THE FILE

The file path shown above is the file path. You can click the Browse button to select the storage path. After selecting, click Save to start saving the data. Open the directory to find the CSV file with product name + DATA + date. The content of the file is the protocol data and time.
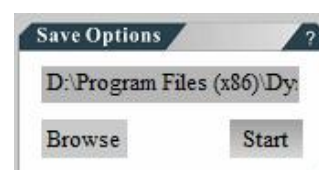
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