

Best Selection for Your Business

Electronic Pricing Scale User's Manual

(Model: JPT-31)



CATALOG

| | |
|---|----|
| 1. Foreword | 2 |
| 1.1. Introductions | 2 |
| 1.2. Main functions and features | 2 |
| 1.3. Specification..... | 2 |
| 1.4. Outline | 3 |
| 1.5. Keyboard distributes and functions of key..... | 3 |
| 1.6. Accessories..... | 5 |
| 2. Assemble guide | 6 |
| 2.1. Pricing scales components assemble | 6 |
| 2.2. Paper roll installation..... | 7 |
| 3. Operating Instruction | 8 |
| 3.1. Weighing | 8 |
| 3.2. Zero..... | 8 |
| 3.3. Tare | 8 |
| 3.4. Goods sales..... | 8 |
| 3.5. Goods hotkeys setting..... | 8 |
| 3.6. Goods sales methods | 9 |
| 3.7. Sales report..... | 9 |
| 3.8. Change..... | 10 |
| 3.9. Cancel goods sales | 10 |
| 3.10. Set date and time..... | 10 |
| 3.11. Check pricing scales current time and date..... | 10 |
| 3.12. Print receipt | 11 |
| 3.13. Standby for saving power..... | 11 |
| 4. PC software operation | 12 |
| 4.1. Edit the goods information..... | 12 |
| 4.2. Edit the receipt head and tail information | 14 |
| 4.3. Immediately upload the daybook report..... | 14 |
| 4.4. Communication connect..... | 14 |
| 5. Maintain daily | 15 |
| 6. Fault self-inspection | 16 |
| 7. Precautions | 18 |
| Appendix: Sketch map of RS232 serial communication cable | 19 |

1. Foreword

1.1. Introductions

Thank you for your chose our JPT-31 series electronic pricing scales. Please read this manual first before you use this scale. And please keep this manual for future reference or use.

This product complies with FCC standards.

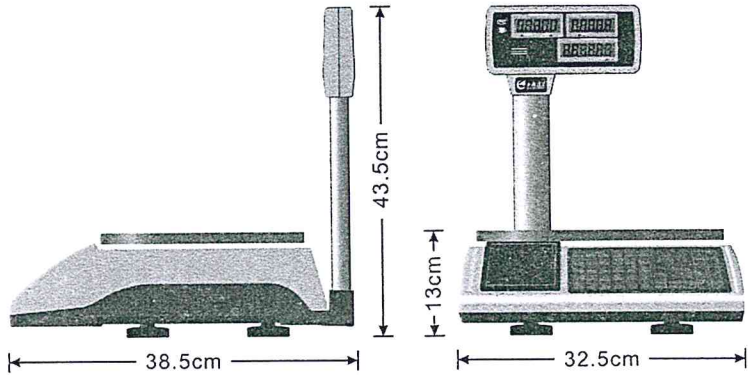
1.2. Main functions and features

1. Easy operation. Weighting fast and precisely.
2. Zero, Tare, calculate price and change functions.
3. Support receipt head and tail information setting, and can check or print the daily report.
4. Support accumulating sale, the maximum accumulate over 50 times of goods.
5. Quantity sale, hotkey sale, PLU sale, and barcode sale.
6. 1000 PLU, include the goods name, price and barcode. 60 hotkeys.
7. Transport the goods information by PC software of U-disk.
8. Built-in 6V/4AH battery, over 4 hours working without AC power connected.

1.3. Specification

1. Ports:1×PS/2(barcode scanner), 1×RS232(serial port), 1×USB(U-disk), 1×CASHDRAWER
2. Power adapter input: AC100-240V, 50/60Hz; output: DC7.5V/3A
3. Rechargeable battery: 6V/4AH (optional)
4. Display: double side LED, 5 digit unit price, 5 digit weight, 6 digit total price
5. Keyboard: 25 function keys, 30×2 hotkeys
6. Weight scope: Max 30 kg, Min 100g
7. Interval (e): 5/10g
8. Working humidity: 10%~90% RH
9. Storage humidity: 10%~75% RH
10. Working temperature: -10°C ~+40°C。
11. Storage temperature: -25°C~+50°C。
12. PLU: 1000
13. N.W.: 4.3kg

1.4. Outline

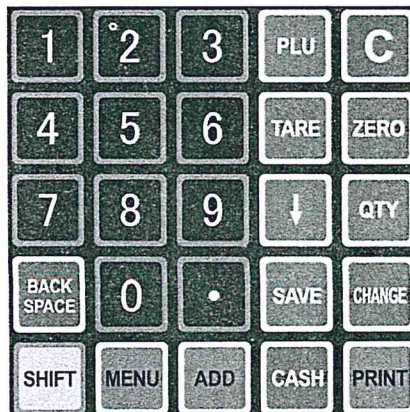


1.5. Keyboard distributes and functions of keys















1. Hot-Key keys:





2. Function keys:



Functions of keys:

| Keys | Functions |
|---|--|
|  | Number keys |
|  | Clear input information; Delete all sale goods. |
|  | Accumulating sale |
|  | Print receipt and reports |
|  | Set to zero point manually |
|  | Delete the packing and container weight from total weight |
|  | Save or call out 60 kinds of goods information by these keys |
|  | Quantity sales |
|  | Clear one goods information; Back to the weight mode |
|  | Open the cash drawer |
|  | Set date and time; Show daily sale reports and technical reports. |
|  | Calculate the change |
|  | Call out the goods information by this key according to goods code |
|  | Save the goods information or data from U disk, and edit the hotkeys goods price |

| | |
|---|--|
|  | Shift function select key, can shift 31-60 hotkeys goods |
|  | Down switch key |

1.6. Accessories

Standard accessories:

1. Power adapter: 1 pc
2. Serial port communication cable: 1 pc
3. Stainless steel scales pan: 1 pc
4. Utility software CD: 1pc
5. Manual: 1pc
6. Thermal printing paper: 1 roll

Optional:

1. Cash drawer
2. Barcode laser scanner

Note: *Different customers and different models have different accessories, please check the packing list.*

3. Operating Instruction

3.1. Weighing

Put the goods on the scales pan, and the display will show the weight.

3.2. Zero

1. Manual operation: If there aren't any goods on the scales pan, and the display doesn't show "0.000", please press **ZERO** key.

Note: If the weight over 1.2kg, cannot be allowed to be zero by manual operation.

2. Automatic operation: Turn on the power, and the scales will automatic zero if the weight isn't over 3kg. If not, the scales will have an unable zero alarm.

3.3. Tare

When your goods have packing or container to calculate net weight, you should put its container on the scale and press **TARE** key. The display will show zero in weight window.

Go back the un-tare model, please remove the goods which on the scales pan, and then press **TARE** key, the display will show zero in the weight window, and tare indicator light blackout.

Note: the pricing scales will quit the tare model automatically when you finish the sale process.

3.4. Goods sales

Press number keys for inputting the goods price, and the price will show in the unit price window, the total price is the unit price multiplied the weight. If you need to edit the goods unit price, please use the **C** or **BACKSPACE** keys to delete, and then input new price.

Accumulating sale: If one customer buys many kinds of goods, you can use this function. Summation sales will show all the goods unit price and total price in one receipt. This scales support max 50 kinds of goods in one summation sales. You can operate this kind of sales as follow: Put the first goods on the scales pan and enter its price, and then press **ADD** key before you pick off the first goods. The unit price window will show the summation times, total price window will show the total price. And then pick off the first goods, put on the second, input the price, and repeat the first goods operation. Finally press the **PRINT** key for ending this operation.

3.5. Goods hotkeys setting

This scales have 60 goods hotkeys, can save 60 kinds of goods price and other

information.

Operation method: Input the goods price by 0 to 9 keys, and press **SAVE** key and corresponding hotkeys, save the information the scales. (31-60 hotkeys need press the **SHIFT** key to change)

3.6. Goods sales methods

1. Hotkeys sales: Put the goods on the scales pan → press corresponding hotkeys → press **PRINT** key.
2. Goods number(PLU) sales (for example PLU 77): Put the goods on the scales pan → input the PLU number 77 → press **PLU** key → press **PRINT** key.
3. Barcode sales: Put the goods on the scales pan → use the barcode scanner to read the goods barcode → press **PRINT** key.
4. Quantity scales: Input the goods price by number keys or hotkeys → press **QTY** key → input the quantity by number keys → press **PRINT** key. *Note: When the scales in the quantity sales situation, the weighing function will close temporary. When you press the **ADD** key or end this time sale, the scales weighing function will return.*

Note: Hotkeys can save the goods price and goods name, goods name will be shown on the receipt. The goods name and barcode information need be edited and edited by PC software, and then download the pricing scales. "PLU" is the goods first line numbers which in the software interface.

3.7. Sales report

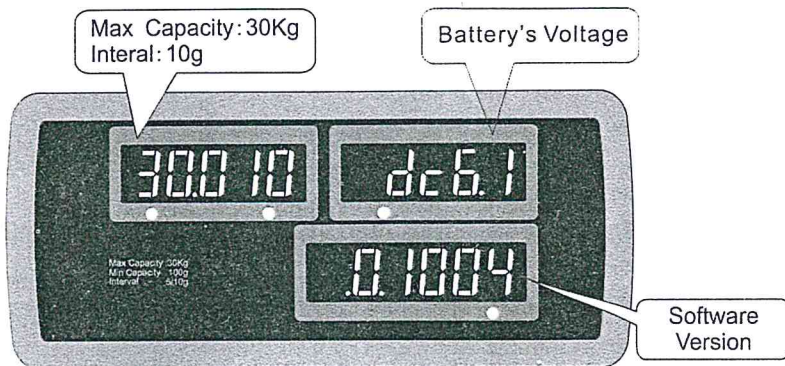
This pricing scale has the daily report and statistics functions, you can check or print the scales report which according to the sales information. Check the sales report. Press **MENU** key, and then shown information:



Note: Press print key will print current sales report.

Caution: This scale will auto print last day sales report and then delete it for first receipt in every day.

If you press **MENU** key twice, the display will show the technical parameters.



3.8. Change

When finish the sales, and need to calculate the change, press the **CHANGE** key, and input the received money by number keys. The change will be shown on the total price window. If the received amount is lower than the sales amount, the change will show negative number. Press **CHANGE** key or **C** key for quitting change model.

3.9. Cancel goods sales

1. Cancel all: Cancel all goods sale. Press **ADD** key first for show goods quantity and price, and then press **BACKSPACE** key.
2. Cancel one: Cancel one of goods sale, Press **ADD** key first, and then press **↓** key to choice the need be deleted goods, and then press **C** key.

3.10. Set date and time

1. Date setting: Press **MENU** key 3 times, two digits are related to year will display as flashing. Input two digits of year by number keys, then digits of month will flashing, input them. At the end, the digits of day will be flashing, input them too.
2. After date setting, re-press **MENU** key, in this case, two digits of hour will display as flashing, input hour and minute. Then second digit will flash, input them too.
3. Press **MENU** key for saving and quitting.

*Note: you can choice need be edited date or time by **↓** key.*

3.11. Check pricing scales current date and time

When there is no goods on the scales pan and have not input the goods price (unit price and weight window show 0), press number keys, the display will show current date and time, press **C** key will return sale model.

3.12. Print receipt

1. After sales, please press the **PRINT** key, and then will print the receipt.
2. When the price window show 0, press **PRINT** key for re-print a receipt. If you press **PRINT** key hold on 2 seconds, the printer will go a length of blank paper.
3. If the rest of paper cannot print a total receipt, please replace the paper roll, and press **PRINT** key.

Note: When the printer is short of paper, press the **PRINT** key, the buzzer will sound.

3.13. Standby for saving power

When there is nothing on the scales pan, and no any operation in one minute, the scales will in the standby for saving power situation. Press any key, can let the scales go back the normal situation.

Caution: if long time uses this scale, we advise you use the power adapter we supplied link to AC Power for power supply.

4. PC Software Operation (Working on PC)

4.1. Edit the goods information

1. Please double click the compressed files which in the CD, and then open PluEditor software.
2. Input the goods unit price, name and barcode, and then save the file. There will have a "PLUDATA.HEX" file. Please copy this file to U-disk.

Note: you can save as the edited file to TXT file, and when you need it, you can import it the software freely.

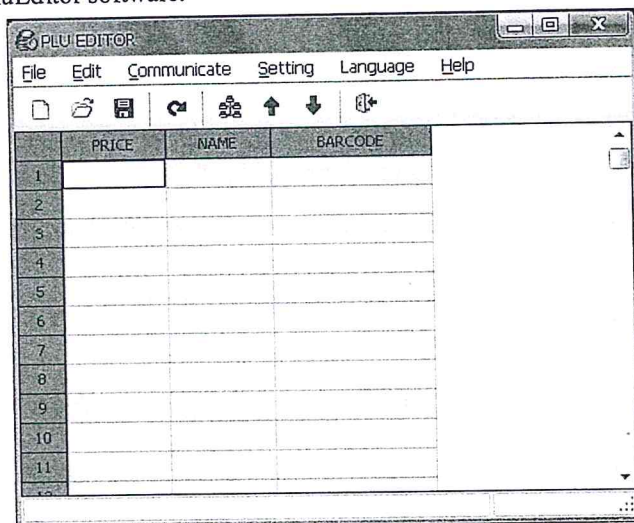
3. Insert the U-disk to the scales USB port, and then turn the scale. Press the "SAVE" key and hold on 3 seconds after the pricing scales self-checking, the total amount window will show "SAVE", right now the scales is updating the goods information. When the buzzer has a long sound, the updating is finished. And then the scales go back sale model. And all of goods name, price and barcode be saved in the scales.


Note: Only support FAT or FAT32 for U-disk file system format, and signal partition.

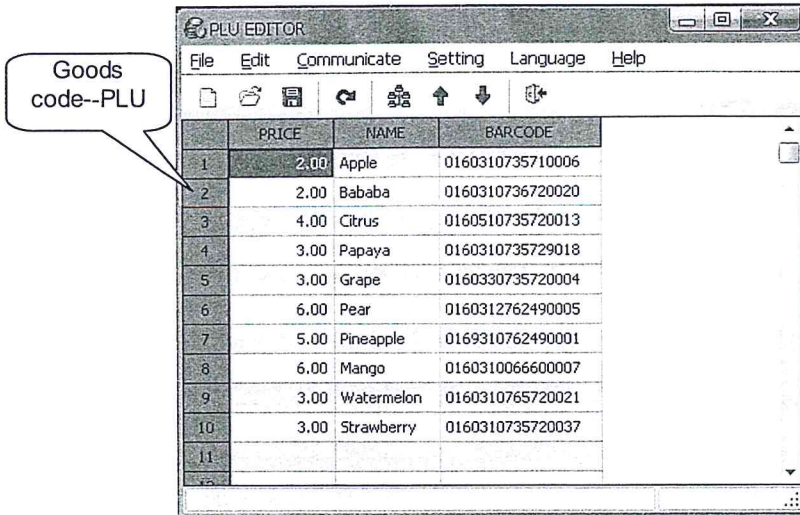
4. Edit goods information

For example: Edit one of goods name:

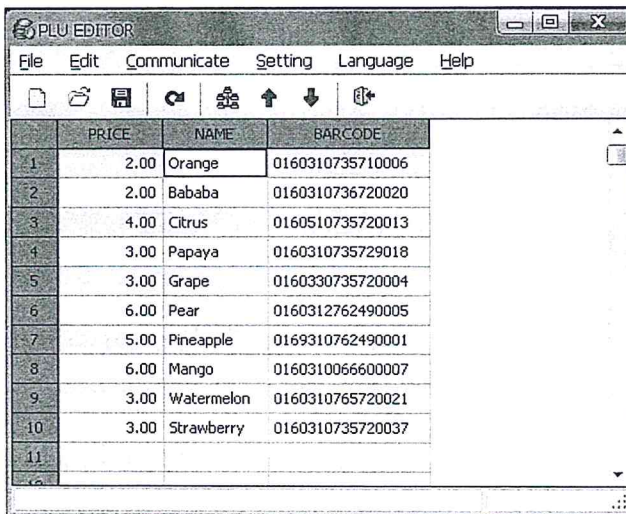
- 1) Open PluEditor software.



- 2) Press "import" key  for selecting the target file for importing this software.



3) Choice and edit the need be edited goods from the software excel: (Such as Orange)



4) Save the data, system will create a new file. Save the file to U-disk root directory.

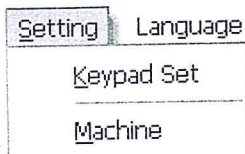
Repeat the step 3) operation.

After edit the goods information, you can repeat the 4.1.3 operation for saving the goods information the pricing scales.

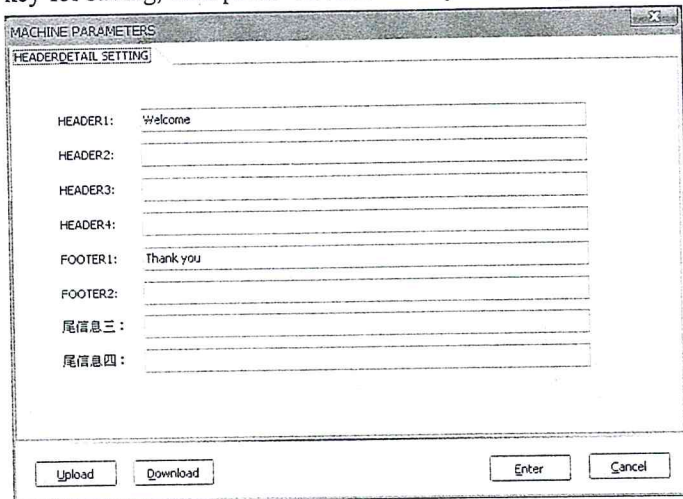
Note: After edit and edit the goods information, except save the information by U-disk to scales, you also can use the RS232 to connect the scales with PC. And use the PC software for saving the goods information to scales.

4.2. Edit and edit the receipt head and tail information

1. Click software  PluEditor



2. Click “tool” and choice the setting
3. Edit and edit the head and tail information in the machine parameters, and click the enter key for saving, then press “download” key for saving in the scales.



4.3. Immediately upload the daybook report.

Inset the U-disk to the USB port, when the scales sale the goods, there will create a file



(file name “REG+date”, such as: REG0627 means June 27th daybook report,) and save in the U-disk.

4.4. Communication connect

1. CASHDRAWER Port: For connecting the RJ11 port cash drawer, and press **CASH** key for opening it.
2. RS232 port: For connecting with PC, and can communicate with PC by PluEditor software.
3. U-DISK port: For connecting the U-disk.

4. PS/2 port: For connecting with barcode scanner and can sell the goods by barcode scanner read the barcode.

5. Maintain daily

- Be careful that AC power cable should not be placed in traffic rout or direct sunlight.
- Avoid to put the heavier object than defined capacity on the scale, if this happens , message “OL” will appear on weight window and a beep sound will be hear, you should immediately pick the heavier object up to avoid any damage to device. Don’t put the heavier object than defined a capacity on the scale in off time too.
- Not to use display pole for scale transport, if the scale pole broken, please don’t turn on the scales for using.
- When the scale is turned on, if you put a goods heavier that 3kg, this weight is more than amount of automatic zero and display will show an error message as below, turn off the scale and pick the platter or weight up then re-turn on.
- To use battery, it is necessary to charge it for 24 hours in first time, and can repeat this action every one month.
- Please don’t use other power adapter for protecting and extending the battery life. Normally the battery life on year, if you need to change the battery, please make sure replace the same standard battery.
- While working with scale, use AC power to charge internal battery and able to use in necessary time.
- Please don’t use cleanser multi-material or cleanser grater tools. Chemical composition of these materials may destroy the scales surface. You can clean the scales by the clean napkin or special spray.
- Please don’t clean the scales or pan by aqueous ammonia or diluents. Please clean the scales by producer and use the suitable cleanser.
- If the scales have fault, please try to turn it on and off. Then pick off the pan and turn again, or check the scales by manual as following chapter 6.

6. Fault self-inspection

In case of any problem before contacting the authorized representative, study follow items and try to remove them:

■ The scale can't power on

| Reason | Solution |
|--|---|
| Error in input AC power | Control power cable for decay, tear and cutting. Check connected cable to device and make sure about it's well-set. If AC power plugged off and device uses internal battery, the battery. May be empty. in this case, you should wait to re-connect AC power and fully charged battery |
| Burning fuse on the body or loosing | If fuse is loosed, well-set it or if fuse is burnt, Replace it with its similar. |
| Error in electronic and control circus | Contact to after sale service unit. |

■ The scale has variation in weight after the countdown.

| Reason | Solution |
|--------------------------------------|--|
| There is vibration in weighing pan | If scale is located in direct air of cooler or fan, change its location. If scale is located near noise source such as wireless transceiver devices, change its location. If there are severe variations in input power, recommend using voltage stabilizer. |
| Cause problem in electronic circuits | Contact to after sale service unit. |

■ The numbers related to weight are not fixed on the display and have variation.

| Reason | Solution |
|---|--|
| Static electricity or severe variations | Turn off and turn on after few minutes, in electricity can cause error in if not resolved problem, contact to after electronic circuits. sale service |
| The pan has vibration. | Check the AC power cable for decay, tear and cutting. Be sure about scale balance. Be careful, there is no object in contact with pan. Be careful, the legs are in appropriate situation. |

| | |
|-------------------------------------|--|
| | If scale is placed in direct air of cooler or fan, change its place. |
| This problem in electronic circuits | Contact to after sale service unit. |

■ **Scale power off automatically in working situation.**

| Reason | Solution |
|--|---|
| Static electricity or severe variations can cause error in electronic circuits | Turn off and turn on after few minutes, in electricity .if not resolved problem, contact the sale service unit. |
| Power problem | Plug bad contact, please change the power socket. The battery is no power, please connect the power line for charging |

■ **Show message “0000000” in total part.**

| Reason | Solution |
|--|----------------------------|
| Total sale has been exceed. (9 9 9 9 9 9) | Reduce the price or weight |

■ **Show message “bAtL” in weight part.**

| Reason | Solution |
|---------------------------------------|--|
| Battery voltage is less than 5 volts. | Connect the cable to socket to charge the battery. Battery charging operation is doing even during off time. if needed, can connect the cable to power in during off time. |

■ **Show message “OL” in weight part with continuous beep sound.**

| Reason | Solution |
|--|---|
| Put heavier object than defined capacity on the device | Should be immediately picked up the heavier. Object to fail to harm the device. |







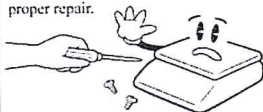
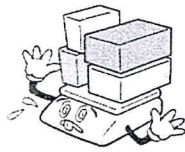


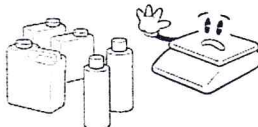
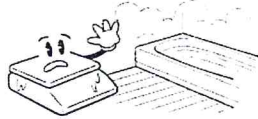
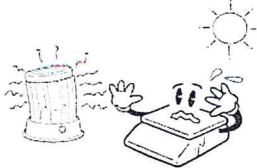
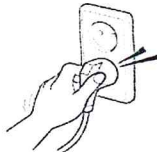
■ **Show message “ZEtOe” in unit price window.**

| Reason | Solution |
|-------------------------------|---|
| Automatic zero is not setting | Turn off the device, if the platter and or a object with more than 3kg weight on the scale, pick it up and then turn the device on. |

■ **Show message “tOTAL” in weight window and “Add” in unit price window.**

| Reason | Solution |
|--------------------------------|---|
| Use add key more than 50 times | By using cancel key , can select the last goods and clean it by Void key. |

7. Precautions

| ⚠ Attention | | |
|--|---|--|
| <p>For consistent and accurate reading, maintain periodical check by your authorized dealer.</p>  | <p>Avoid sudden shock to the scale. Internal mechanism could be damaged.</p>  | <p>Grab on the bottom of the scale when moving. Do not hold by the platter.</p>  |
| <p>Keep the scale away from other electromagnetic generating devices. This may interfere with accurate reading.</p>  | <p>Place the scale on firm and temperature consistent environment.</p>  | <p>By adjusting 4 corners of the scale, set the scale even using the built in scale leveling indicator.</p>  |
| ⚠ Warning | | |
| <p>Do not disassemble the scale. When any damage or defect occurs, contact your authorized dealer immediately for proper repair.</p>  | <p>Do not overload beyond the maximum weight limit.</p>  | <p>Scale must be grounded to minimize electricity static. This will minimize defect or electric shock.</p>  |
| <p>Do not pull the plug by its cord when unplugging. Damaged cord could cause electric shock or fire.</p>  | <p>To prevent from fire occurring, Do not place or use the scale near flammable or corrosive gas.</p>  | <p>To reduce electric shock or incorrect reading, Do not spill water on the scale or place it in humid condition.</p>  |
| <p>Avoid placing the scale near heater or in direct sunlight.</p>  | <p>Insert plug firmly to wall outlet to prevent electric shock.</p>  | |

Appendix: Sketch map of RS232 serial communication cable

