

Electronic Pricing Sales Operating Manual



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1. Foreword

1.1 Introduction

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

All the information in this manual is same as what we the launched. Our company reserves the right of changing and updating our production in anytime. Please refer the products that you actually purchase.

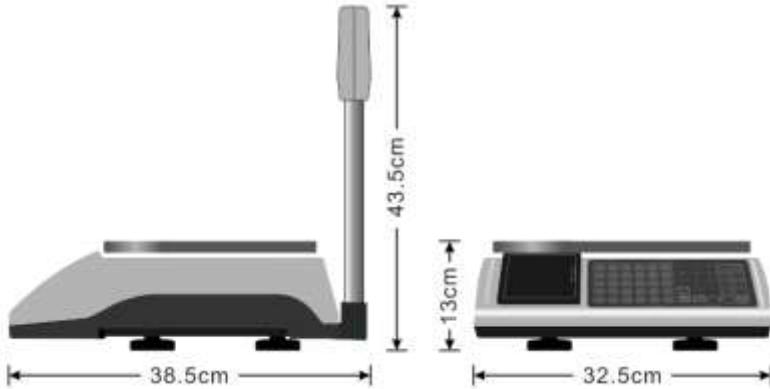
1.2 Main functions and features

1. Small size, takes up less space, easy to learn and easy to use, accurate weighing.
2. Zero, discount, two-dimension code printing, round off, changing price, journal account recording etc, functions
3. Auto power saving mode, short time no operation will turn to standby mode
4. 1000 PLUs, 60 hotkeys, easy to call out the common goods
5. Set the hotkey's information by PC, easy to operate
6. Support accumulating sale, the maximum accumulate over 50 times of goods.
7. Support the weighting sales and quantity sales both
8. Various reports printing: Period report, daily report, monthly report, history report.
9. Transport the goods information and head and tail information by PC software of U-disk.

1.3 Specification

Weighting precision	1/3000
Weighting scope	0-15-30kg
Interval (e)	5/10g
Display	LED shown goods name,5digits for unit price,5digits weight,6digits for total amount
Adaptor	Input:AC100-240V, 50/60Hz Output:DC7.5V/3A
Keyboard	25 function keys, 30×2 hotkeys
Ports	1×PS/2(barcode scanner),1×USB(V-COM),1×U-DISK(U disk),1×CASHDRAWER
Printing type	Thermal printer
Printing speed	70mm/s
Printing paper	Width: 57.5mm±0.5mm;Effective print width 48mm;paper roll max diameter: 50mm
Battery	Inside rechargeable battery: 6V/4AH (optional)
Working condition	Temperature:-10°C ~+40°C Humidity:10%~90% RH
PLU	1000
Product dimension	325 (W)×385 (D)×130 (H) (if included the pole, height is 435mm)
Net weight	Around 4.5kg

1.4 Dimension



1.5 Keyboard distributes and function keys

1. Hotkeys:



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

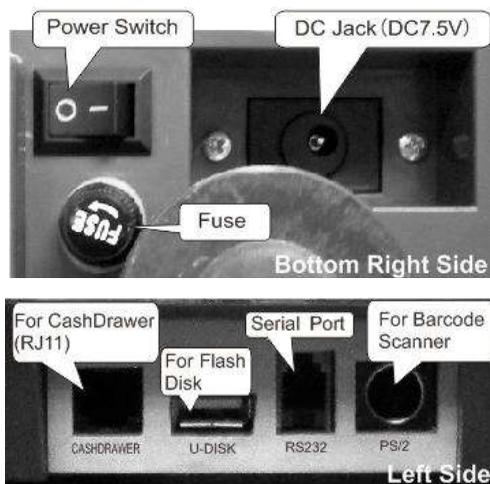
1.6 Accessories

Name	Quantity
Main machine	1
Adaptor	1
Manual	1
CD	1
USB data line	1
Thermal printing paper	1
Scale pan	1
Packing list	1
Warranty card	1
Cash Drawer	Operation Purchase
Barcode scanner	Operation Purchase

2. Assemble guide

2.1 Pricing scale components assemble

1. Please put the scale on a stable and level place. Adjust the four screw feet, and make sure the scales on a level situation. (gradienter's bubble in the center)
2. Connect the various cables as picture shown:



3. Install the display pole and pan

1. Please connect the display lines, and insert the display arm to scale base part (as the picture shown).
2. Put on the scale pan, aim at the four roundness holes which on the scales platform.



3. Turn on the power, then the scale will initialize. The display will show 0 after the initialize process, and a buzzer sound. And you can use the scales freely. If the display is not show 0, please press the ZERO key.

Note: Please make sure don't touch the scales pan and there isn't anything on the scales pan when the scales start the initialize process.

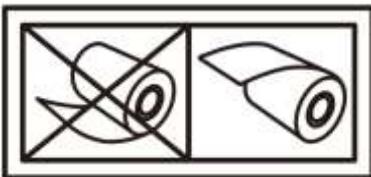
2.2 Paper roll installation

1. As the right picture shown, please push down the paper room wrench hollow part, and take up the wrench, then the paper room cover is open.
2. Please put in the thermal paper roll, and put out a length (longer than the tear paper port), put paper smooth.
3. Close the paper room cover, and put the wrench restoration.



Install the paper roll as the follow picture shown:

Please make sure the smooth face on the up side.



Note: Paper roll size: 57mm width, max diameter is 50mm.

3. Operating Instruction

3.1 Zero

Manual operation: if there are no goods on the scale pan, but the display shown is not “0.000”, please press **Zero** key to make the display shown is “0.000”. Note: if the weight is over 1.2kg (4% of weighting scope), the manual zero operation doesn’t work.

Automatic operation: Turn on the scales, less than 3kg, the scale will automatic to zero, if cannot return to zero there will be a warn sound.

3.2 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.

3.3 Summation sales

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.

3.4 Changing Price

Temporary change price: directly input the number of new price when in the sales

Permanent change price: input the new price of goods, and press Save key, and then revise the price of the corresponding hot keys (if change the price of 31-60 hot keys, you should use the shift key to change to corresponding one. If it is not the hot key goods, please input the PLU number first, and then price PLU key.) can save the goods new price to scales.

3.5 Goods sales methods

1. Hotkey sales: put on the goods on scales pan → press corresponding hotkey → 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.

3.6 Report Management

1. Period report: Press the **MENU** key, and then press **PRINT** key. The period report is printing from the sales beginning to print the period report.
2. Daily report: It is possible to check the intraday sales report and one prior day sales report. The daily report includes the sales amount, each goods sales weight and quantity, every goods sales amount. (Operation method in 4.1)
3. Monthly report: It is possible to check the every month sales report. This monthly

report includes the sales amount of this month. (Operation method in 4.1)

3.7 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.

3.8 Discount

If sales goods need to be discounted,press↓,WEIGHT window show “dis”,UNIT PRICE window show goods former unit price,TOTAL PRICE window show 0.00;input the discount rate(if 10 percent off input 90),now the UNIT PRICE window show discount unit price.if all goods need to be discounted, must press “SHIFT”,then press ↓ to make discount.

3.9 Set date and time

1. Date setting: Press MENU key 5 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: date or time also can be edited by ↓ key.

3.10 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 beep, price window show ERR03,If time is wrong, can't print receipt, price window show ERR07.

3.11 Standby for saving power

When there is nothing on the scale's pan, and no any operation in 20 seconds, the scale will in the standby for saving power situation, then the weight window's LED is flashing. Press any key, can let the scales go back the normal situation.

Caution: When battery-operated ,when battery is low power will affect the weighing accuracy. we advise you use the power adapter we supplied link to AC Power for power supply.

4. Editing Menu

4.1 Menu instructions

Press[9999][MENU],go to Menu window

Keys instructions	
[MENU]	Entry or exit menu
[SHIFT]	Shift typewriting: digits → capital letters → lower case
[PRINT]	Confirm input information
[C]	Clear input information or back to last menu
[BACK SPACE]	Clear one digit or letter

Display instructions	
Weight window	Show menu index, eg.4.-1
Unit price window	Show typewriting: 123,BABC ,Sabc
Total price window	Show input content or menu title

Menu list	
Item	Operate way
[entry menu]	[9999][MENU]
[exit men]	[MENU]
1.1Head information font	[9999][MENU][1][1][x][PRINT]MENU] [x] = [1] = Normal size; [2] = double height [3] = double width; [4] = double height and width
1.2Tail information font	[9999][MENU][1][2][x][PRINT]MENU] [x] = [1] = Normal size; [2] = double height [3] = double width; [4] = double height and width

1.3print gray	[9999][MENU][1][3][x][PRINT][MENU] [x] = 0~9,the more black the x larger
1.4weight unit	[9999][MENU][1][4][x][PRINT]MENU [x] = [1] = kg [2] = 500g [3] = lb
1.5 Edit head information	[9999][MENU][1][5][x]<input head information>[PRINT][MENU] [x] = [1] = Edit the first line information; [2] = Edit the second line message; [3] = Edit the third line message; [4] = Edit the forth line message;
1.6Edit tail information	[9999][MENU][1][6][x]<input tail information>[PRINT][MENU] [x] = [1] = Edit the first line message; [2] = Edit the second line message; [3] = Edit the third line message; [4] = Edit the forth line message;
1.7 Round way	[9999][MENU][1][7][x] [PRINT][MENU] [x] = [1] = round turn off; [2] =round turn on; [3] = below 9 round to zero; [4] = below49 round to 0; [5] =below 99 round to zero;
1.8 Round item	[9999][MENU][1][8][x] [PRINT][MENU] [x] = [1] = Total price; [2] =every sale goods;
2.1 Edit goods	[9999][MENU][2]<edit goods information, according 4.3>[MENU]
3.1 Day report	[9999][MENU][3][1][MENU]
3.2 Daily report	[9999][MENU][3][2] <input date: eg 2015-01-30> [PRINT][MENU]
3.3 Month report	[9999][MENU][3][3] <input month: eg1501 is 2015year January> [PRINT][MENU]
3.4 PLU list	[9999][MENU][3][4][MENU]

3.5	Period Report	[9999][MENU][3][5] <input Start date: eg180101 >[PRINT] <input End date: eg181001 >[PRINT]
3.6	Clear-out report	[9999][MENU][3][6] <input 12345678 >[PRINT]
4.1	QR code	[9999][MENU][4][1] Input content [PRINT][MENU]
4.2	Receipt copies	[9999][MENU][4][2][x] [PRINT][MENU] X=Figures between 0 and 9
4.3	Lock item	[9999][MENU][4][3][x][PRINT]MENU [x] = [1] = yes; [2] =no;
4.4	Power saving	[9999][MENU][4][4][x][PRINT]MENU [x] = [1] = yes; [2] =no;
4.5	Cash-box password	[9999][MENU][4][5] Input old password (For the first time, press the print key to skip.) Input box password (1~999999 any number.) [PRINT]MENU
4.6	Item font	[9999][MENU][4][6][x][PRINT]MENU [x] = [1] = Normal; [2] =Double height;
4.7	Disable print	[9999][MENU][4][7][x][PRINT]MENU [x] = [1] = yes; [2] =no;
4.8	Line space	[9999][MENU][4][8][x][PRINT][MENU] [x] = 0~9,the more space the x larger
5.1	Money decimal	[9999][MENU][5][1][x] [PRINT][MENU] [x] = [1] = 0; [2] =0.0; [3] = 0.00; [4] = 0.000;

5.2	Minimum weight printed	<p>[9999][MENU][5][2][x][PRINT]MENU</p> <p>[x] =</p> <p>[1] = yes; [2] =no;</p>
5.3	Paper sensor	<p>[9999][MENU][5][3][x][PRINT]MENU</p> <p>[x] =</p> <p>[1] = yes; [2] =no;</p>
5.4	5.4.1 Label Bar-code	<p>[9999][MENU][5][4][1]</p> <p>Input Bar-code prefix</p> <p>[PRINT][MENU]</p>
	5.4.2 Plu No. length	<p>[9999][MENU][5][4][2]</p> <p>Input Plu No. length</p> <p>[PRINT][MENU]</p>
5.5	Mac ID	<p>[9999][MENU][5][5]</p> <p>Input Mac ID (figures between 1 and 9999)</p> <p>[PRINT][MENU]</p>
6.1	Head font	<p>[9999][MENU][6][1][x][y][PRINT][MENU]</p> <p>[x] =</p> <p>[1] = Head message 1; [2] =Head message 2;</p> <p>[3] = Head message 3; [4] =Head message 4;</p> <p>[y] =</p> <p>[1] = Normal; [2] =Double height;</p> <p>[3] =Double width; [4] =Double;</p>
6.2	Tail font	<p>[9999][MENU][6][2][x][y][PRINT][MENU]</p> <p>[x] =</p> <p>[1] =Tail message 1; [2] =Tail message 2;</p> <p>[3] = Tail message 3; [4] =Tail message 4;</p> <p>[y] =</p> <p>[1] = Normal; [2] =Double height;</p> <p>[3] =Double width; [4] =Double;</p>
6.3	Head align	<p>[9999][MENU][6][3][x][y][PRINT][MENU]</p> <p>[x] =</p>

1	2 ABC	3 DEF
4 GHI	5 JKL	6 MNO
7 PQRS	8 TUV	9 WXYZ

4.3 PLUS Setting

On sales window, press[9999][MENU][2]

a.press[C], input PLU NO.,press[PRINT]

b.press[C], input PLU name,press[PRINT]

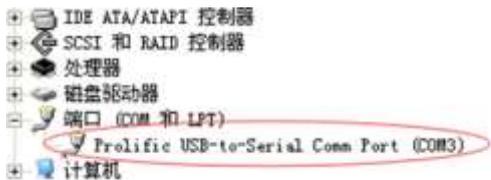
c.press[C], input unit price, press[PRINT]

d.press[C], input bar-code, press[PRINT],after beep skip to step a for next PLU
press[MENU] exit edit PLUS

5. PC Software Operation

5.1 Install driver software

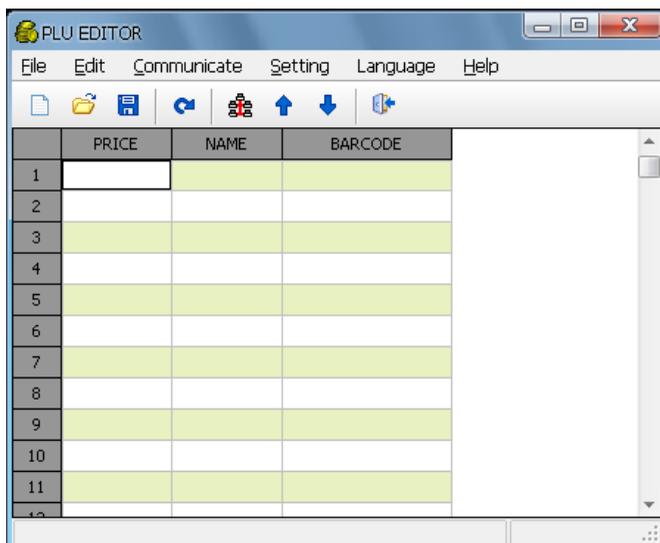
Copy the files in CD to computer, unzip PL2303_Driver (for windows 7_xp_vista).rar or PL2303_Driver (for windows 8) .rar to PC according the PC system.After installation, connect the B type USB cable supplied to PC, Press [My computer]→attribute→Device manager, show as picture:



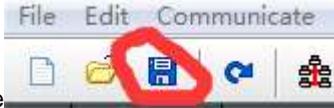
If USB to COM port means installation is right, if yellow !,it's wrong.
which COM port is up to the PC.

5.2 Edit goods information and download

1. Open software PluEditor.exe .



2. The left number is goods NO.input goods's price,name,bar-code.(Bar-code must be have and can't be same for different goods.barcode can be same as goods number)
3. After edit the goods information,press save as



picture to PLUDATA.HEX.

4. Download the goods information to scale:
 - 1) By U-Disk: after step 3, close the PLU EDITOR software,find the file  PLUDATA.HEX , copy this to U disk root directory,insert U –disk to scale,and the Total price window show FAT16 or 32, Press “SAVE”key 2-3 seconds,when Unit price window show “PASS”, Total price window show “SAVE”, after a long beep, download finished.
 - 2) By USB cable,After step 5.1,click the software’s “Communicate”→ “setting”→“Communicate and setting”,choose the COM port,click OK,click



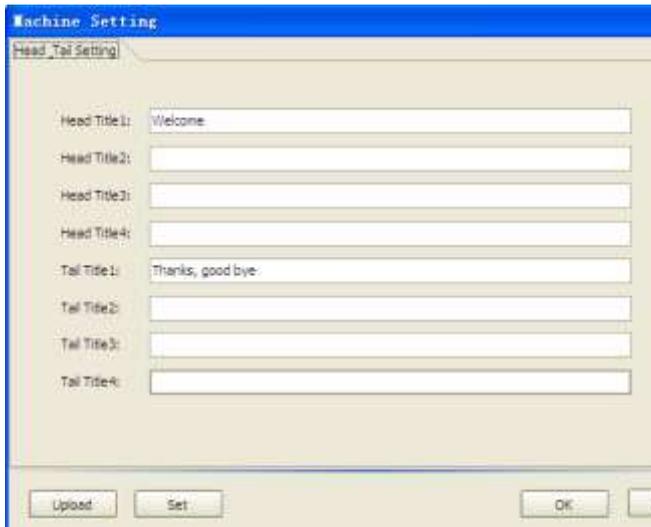
,choose PLU,click “download”,then finished.

5.3 Edit the receipt head and tail information

1. open software  PLU Editor .



2. click the “setting”
3. click “machine”to edit the head and tail information:



4. 1)click “Set”download information to scale.
- 2)close the software,find the file  JJMSG.txt ,copy this to U-disk,and press “SAVE” then OK.

5.4 Immediately upload the day-book 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  REG1215.TXT : means December 15th day-book report,) and save in the U-disk.

6. Maintain daily and safety instructions

- Avoid to put scale in wet or dusty environment. 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.
- 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.

7. Error message & Fault self-inspection

If scale can't work ,please try to solve problem according follow ways by yourself before maintenance.

Error No.	Reason
ERR-01	Sell over 50 items
ERR-02	Total Amount over max value
ERR-03	No paper
ERR-04	Low voltage
ERR-05	Memory wrong
ERR-06	No report
ERR-07	Time & Date is invalid

Fault self-inspection:

Fault	Solution
Can't power on scale	1.whether AC Power is on;2.whether the power cable connected to the plug is reliable ;3.whether Power cable connected to the scale is reliable
Weight is not stable	1.scale should be putted in horizontal position and not touched by other goods;2.should be putted in windless environment ;3.working only use battery and low voltage
Print receipt is vague	If printer head dirty, please clean with alcohol
Can't print receipt	Please make sure Time& Date is right;,make sure the battery's voltage not less than 5.5V if only use battery
Can't download the PLU BY U-disk	1.Make sure U-disk is found by computer, it's found if scale's Total Price window show FAT16or FAT32 after insert U-disk;;2.make sue PLUDATA.HEX file

	<p>putted in U-disk root directory;3.Don't use system U-disk</p>
<p>Power down: Auto power off when scale is working</p>	<p>Make sure scale is connected to power adapter while working; change a new power adapter if former one damaged (battery is only charged when scale is power on)</p>

8. Attentions and Warnings

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 in wall outlet to prevent electric shock.</p>	