

charder®



THERMO PRINTER TP 2110 USER & SERVICE MANUAL

Please keep the instruction manual at hand all the time for future reference.

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SHOCK HAZARD WARNING

The printer and power supply should never be operated in a location where either one can get wet. Personal injury could result.

MEDIA WARNING

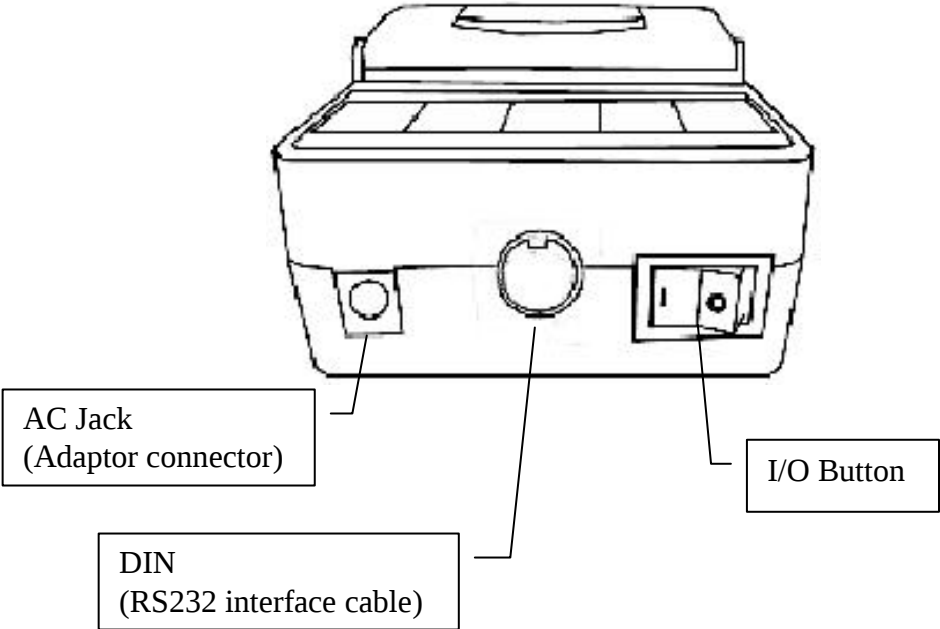
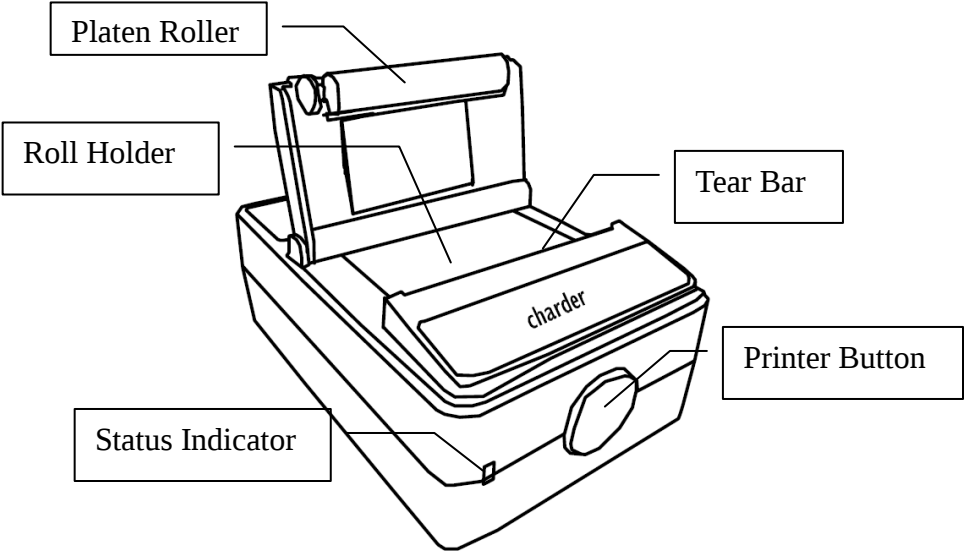
Always use high quality Charader approved paper roll. Approved supplies can be ordered from your dealer.

RELOADING HINT

If printer runs out of paper roll while printing, switch the power off and reload paper roll.

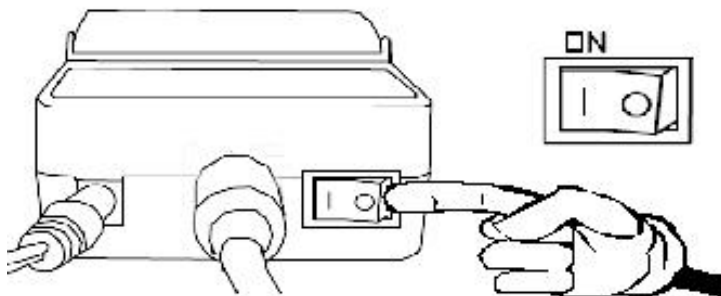
Power on and print again.

GETTING TO KNOW YOUR PRINTER



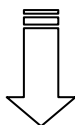
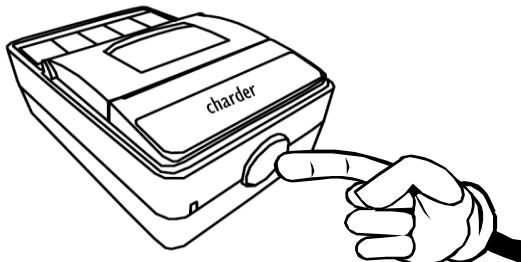
HOW TO USE YOUR PRINTER

Plug into AC Adaptor and interface cable. Press I/O button to power on the printer.

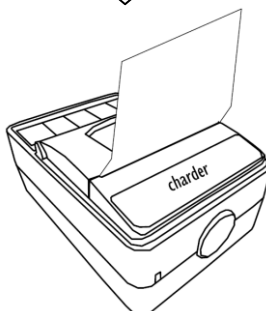


The TP-2110 can connect via wire and wireless transmission with Charder digital scale that has wire and wireless transmission function. Wire connection includes DP-34, DP37 series; wireless connection includes any medical scale featuring the DP-37 series weight indicator.

Press PRINT key.



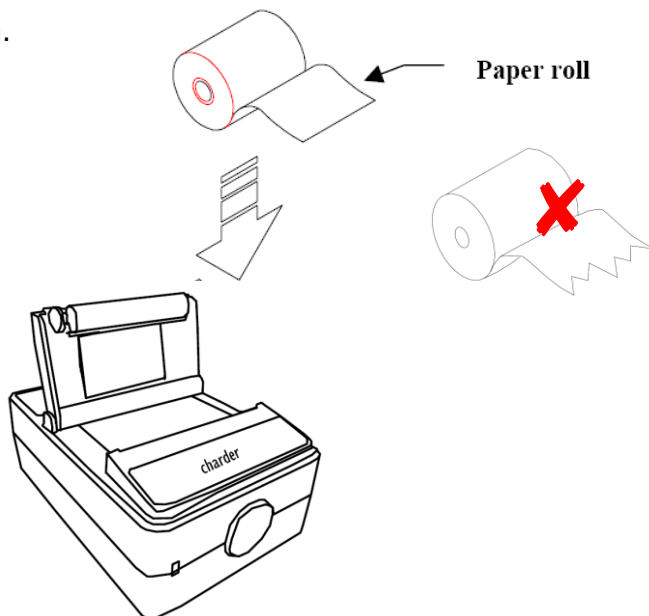
Print.



CHANGING THE PAPER ROLL

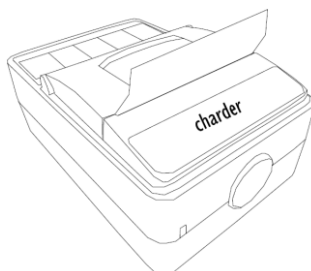
To change the paper rolls in a TP2110 printer as follows:

Open the upper cover and position the paper roll so that it rotates in the right direction.

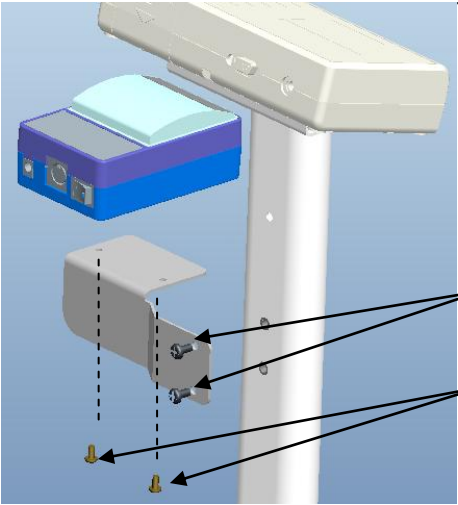


WARNING: Make sure the paper edge is straight before inserting it in the machine.

Feed the end of the paper roll through the printer cover and close the cover. The printer is ready to print.



ASSEMBLY WITH MS49 SCALE SERIES



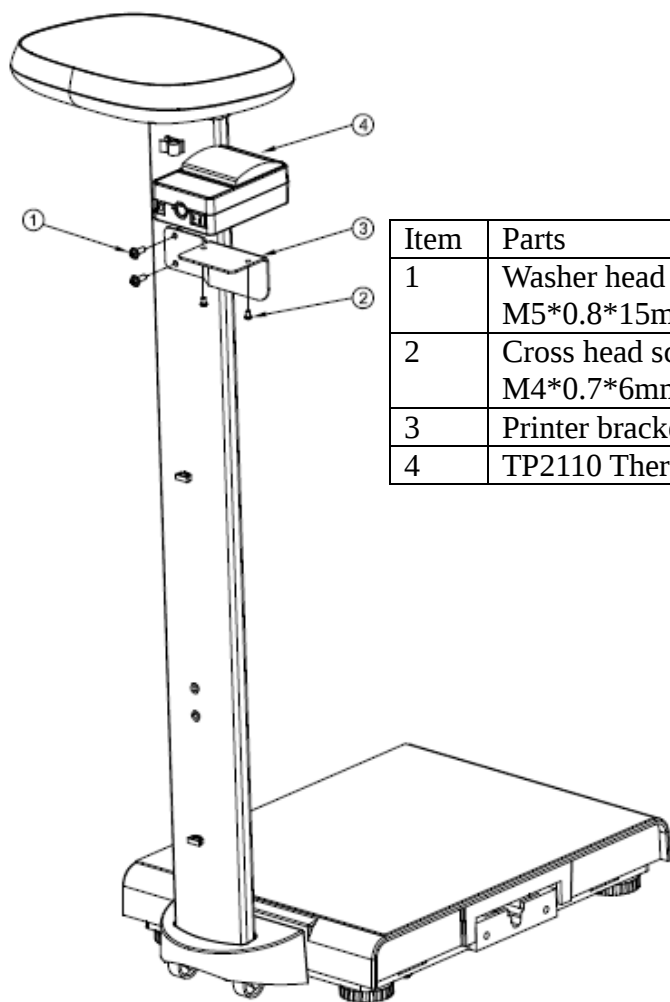
Washer head screw M5*0.8*15mm

Cross head screw M4*0.7*6mm



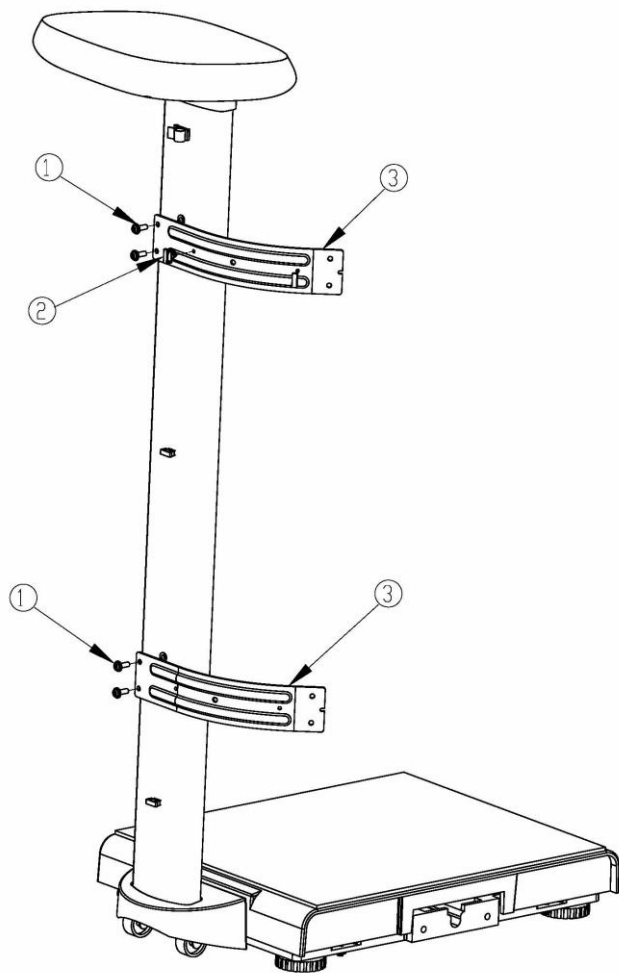
Item	Parts	Qty
1	Washer head screw M5*0.8*15mm	2
2	Cross head screw M4*0.7*6mm	2

ASSEMBLE WITH COLUMN SCALE SERIES

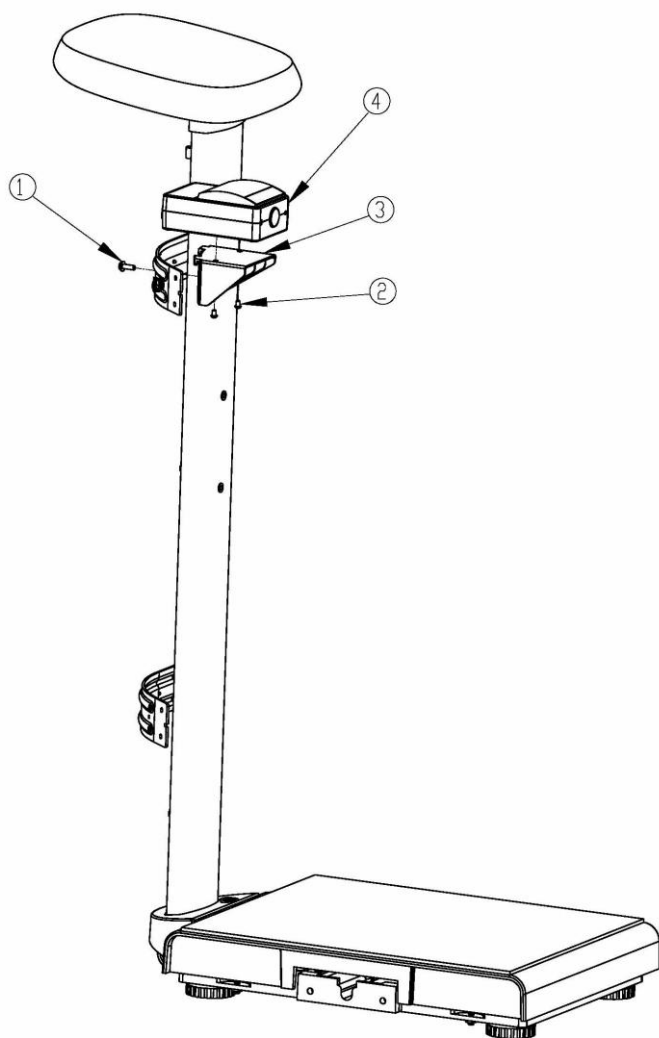


Item	Parts	Qty
1	Washer head screw M5*0.8*15mm	2
2	Cross head screw M4*0.7*6mm	2
3	Printer bracket	1
4	TP2110 Thermo Printer	1

ASSEMBLE WITH SCALE HEIGHT ROD BRACKET



Item	Parts	Qty.
1	Washer head screw M5*0.8*11mm	4
2	Insulating sleeve	2
3	Bracket of HM-200D/HM-201D rod	2



Item	Parts	Description	Qty
1	M5*15L head screw	To fix printer support on bracket	1
2	Screws for printer bracket	To fix printer on the support	2
3	Printer support	To support printer.	1
4	TP2110 thermo printer	Wireless Thermo printer	1

SPECIFICATION

ITEM	SPECIFICATION
Printing method	Thermal dot line printing
Number of dots	384 dot/line
Resolution (dots/mm)	8 dot/mm
Printing width (mm)	48 mm
Max. paper thickness (um)	80 um
Paper	57.5±0.5 mm (W) x ψ30mm max
Paper loading	Easy loading
Printing speed (mm/s)	75 mm/s
Dimensions (L x W x H)	120x80x50mm
Operating temperature (°C)	0°C ~ +50°C (printer movement) 0°C ~ +40°C (printer)
Operating humidity (%)	20% ~ 85% (printer movement) 15% ~ 85% (printer)
Operating Environment	700 hPa ~ 1060 hPa
Interface	RS232 and 2.4 GHz Wireless Transmission
Voltage range	12V 2A

Note: only use the Adapter to drive this machine which is originally supplied with the TP-2110 or by Charder.

PRINTER AND LED STAUS

Printer status	Led status
POWER OFF	OFF
OFF LINE	GREEN LIGHT BLINKS
PAIRING	RED LIGHT AND GREEN LIGHT BLINKS ROTATIONALLY
ON LINE	GREEN LIGHT ON
RUN OUT OF PAPER	RED LIGHT ON
VOLTAGE 6V±10% OVERLOAD/TOO LOW	RED LIGHT BLINKS
1. TEMP. CHECK / OVERHEAT 2. CONNECTION MODE SWITCH (long press button for 10secs)	ORANGE LIGHT ON

CONNECT AND MODE SELECTION

You can use Bluetooth either RS232 cable connection at once.

WIRELESS MODE [default – auto switch between wireless and wire]
Green light and red light blinking rotationally until pair with display successfully.

WIRE MODE [wire only]
Green light on after RS232 is plugged in, and it is ready to use.

LONG PRESS PRINT BUTTON FOR 10 SECS TO SWITCH BETWEEN WIRE MODE AND WIRELESS MODE.

BLUETOOTH PAIRING STEP BY STEP

1. Turn on the display to be paired and turn on the thermo printer.
2. Red light and green light blinks rotationally when power on.
3. Printer search available devices and start pairing.
4. Green light on when pair complete.

Each pairing takes 60 secs to 120 secs.

FEDERAL COMMUNICATIONS COMMISSION (FCC) STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference, and
- 2) This device must accept any interference received, including interference that may cause undesired operation of the device.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio technician for help

[illegible]

ERROR MESSAGES

Problem	Solution or Reason
Does not light when power switch is turned to ON (I) position.	Check power connections from AC outlet to power supply to printer.
Lights Green, but printer will not print. (Blinks once)	Check interface cable connections from scale to printer.
Run out of paper / Top cover is not close tightly (Lights Red).	Please refer “ CHANGING THE PAPER ROLL ” (page 4) Make sure top cover is closed and locked.
Blinks Red. (Continuous)	Low Voltage.



Manufacturer's Declaration of Conformity

This product has been manufactured in accordance with the harmonized EU standards, following the provisions of the below stated directives:

Electromagnetic Compatibility Directive 2014/30/EU

Low Voltage Directive 2014/35/EU

RoHS Directive 2011/65/EU and Delegated Directive (EU) 2015/863



Device has been approved by Taiwan NCC



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