

# MARSDEN

USER MANUAL

PT-500  
PT-600



Please take time to read these instructions before starting to use the scale



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## Technical Specification



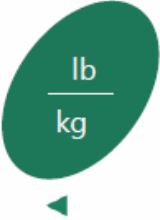




Model Number	Marsden PT-500/PT-600
Capacity/Division	2000kg x 500g
Inner Resolution	1 million
Weight of Scale	Approximately 125kg
Dimensions	Length – 1470mm Width – 545mm Width between forks – 220mm Fork to ground 78mm
Indicator	HL318L with 6-digit 32cm LED display and seven function keys
Protection Level	IP5X
Battery	6V4Ah
Adaptor	Voltage – 100-240VAC Current – 0.1A
Operating Temperature	-10°C - 40°C
Print Output (PT-600 only)	Weight, count, net weight, gross weight, tare weight, accumulation

Please note: Marsden's policy is one of continuous development and therefore we reserve the right to change product specification without notice.

# Dimensions



## Function keys

	<p>Hold</p>	<p>Hold of weight function</p> <p>Hold of weight reading on the indicator screen</p>
	<p>Total</p>	<p>Accumulation function</p> <p>Add up multiple separate weights</p>
	<p>Lb/Kg</p>	<p>Units conversion function</p> <p>Switch between weight displayed in kg and lb</p>
	<p>Gross</p>	<p>Tare function cancel key</p> <p>Cancel a previously entered tare weight</p>
	<p>Tare</p>	<p>Tare function</p> <p>Remove unwanted weight from the reading, such as a pallet</p>
	<p>Zero</p>	<p>Scale re-zero function</p> <p>Return the scale to a zero reading</p>
	<p>Print/On/Off</p>	<p>On/Off button; print function (PT-600 only)</p> <p>Power up or power down; print weight or count data</p>

# Operation

## Switching on the scale

- Press and hold the PRINT/ON/OFF button for three seconds.
- The display will show '0.00' once the scale is ready to begin weighing.

## Using Hold

- If an unstable weight on the scale causes fluctuations in the weight display, press the HOLD button and the indicator will 'lock' the weight of the item on the screen.
- Press HOLD again to cancel the held weight reading.

## Using Tare

- You can remove the weight of the pallet by using the TARE function. Place the pallet only on the scale, and press TARE.
- Remove the pallet. The display will show the pallet's weight as a minus number.
- Add your palletized goods to the scale and the weight of the pallet will be removed.
- Press GROSS and the display will show the full weight on the scale.
- Press TARE again to cancel the tare weight.

## Switching between kg and lb

- To switch the scale from kg to lb, press LB/KG.
- Press again to return to KG readings.

## Using Zero

- If at any time the indicator shows a reading when nothing is on the scale, press ZERO.
- The display will then show a zero reading.

## Using Accumulation

- The accumulation function allows you to add up the weights of several pallets.
- Add your first item to the scale and press TOTAL. Remove the pallet from the scale.
- Add the next item to the scale and press TOTAL again.
- If you would like to see the current total at any time, press and hold TOTAL for at least two seconds.
- To print the individual weights and a total, press PRINT/ON/OFF.
- To clear accumulation readings press ZERO.
- Press HOLD to return to normal weighing.

## Switching to Counting mode

- To count items on the scale, first place a sample quantity on the scale. Switch the indicator to count mode by pressing TOTAL, and holding the button until 'SAMPLE' is displayed.
- Press PRINT/ON/OFF. 'PCS' will display on the screen. Use the LB/KG keys for left and right and TARE and ZERO as up and down to input the sample size.
- To confirm the amount, press PRINT/ON/OFF. Adding more items will increase the count on the display.
- Press HOLD to return to weighing mode.

## To set target weights and high or low limits

- Press and hold HOLD until 'F1' is displayed.
- Press and hold ZERO until 'F2' is displayed.
- Press and hold PRINT until 'F2.1' is displayed.
- Press and hold ZERO until 'F2.3' is displayed.
- Press PRINT.
- Using GROSS and ZERO, set your target weight, and then press PRINT to confirm.
- Press ZERO until 'F2.4' is displayed, and then press PRINT.
- Using GROSS and ZERO, set your upper error limit, and then press PRINT to confirm.
- Press ZERO until 'F2.5' is displayed, then press PRINT.
- Using GROSS and ZERO, set your lower error limit, and then press PRINT to confirm.
- Press the HOLD button twice to return to normal weighing.
- The display will now flash until you get to within 1kg of the target weight, and will stay steady until you are 1kg above the target weight.
- To display the current target weight in normal weighing mode, press and hold TOTAL until 'target' is displayed, and then press PRINT.
- Press PRINT again, and using GROSS and ZERO the target weight can be altered.
- Press PRINT to return to weighing.

## NB (PT-600 only):

- Pressing PRINT whilst under target will print weight and state as 'less'
- Pressing PRINT whilst at target will print weight and state as 'OK'
- Pressing PRINT whilst over target will print weight and state as 'over'

## Using the printer (PT-600 only)

Whether you are in counting or weighing mode, pressing PRINT/ON/OFF will produce a printed report. However, the information printed can be changed depending on your needs (see over for print-out examples).

### **To print a single weight only**

With nothing on the scale press and hold HOLD until 'F1' is displayed on the screen.  
Press ZERO, and 'F2' will be displayed.  
Press PRINT/ON/OFF, and 'F2.1' will be displayed.  
Press PRINT/ON/OFF again.  
Use ZERO to scroll until the display shows '1'.  
Press PRINT/ON/OFF once and HOLD twice to confirm your selection and return to weighing mode.

### **To print accumulated weights**

With nothing on the scale press and hold HOLD until 'F1' is displayed on the screen.  
Press ZERO until 'F4' is displayed.  
Press PRINT/ON/OFF, then ZERO, then PRINT/ON/OFF, then ZERO until 'F4.2.3' is displayed.  
Press PRINT/ON/OFF again.  
Use ZERO to scroll until the display shows '0' for print of the total weight only, or '1' for a print out of individual weights and total.  
Press PRINT/ON/OFF, and then HOLD three times to confirm your selection and return to weighing mode.

### **To print count data**

With nothing on the scale press and hold HOLD until 'F1' is displayed on the screen.  
Press ZERO, and 'F2' will be displayed.  
Press PRINT/ON/OFF, and 'F2.1' will be displayed.  
Press PRINT/ON/OFF again.  
Use ZERO to scroll until the display shows '5'.  
Press PRINT/ON/OFF once and HOLD twice to confirm your selection and return to weighing mode. Make sure the scale is in counting mode to use this print setting.



## Setting the screen time out function

To save battery power, the indicator's display can power down after a set period of time. To set the time out function, with the indicator switched on and nothing on the scale press and hold HOLD until 'F1' is displayed.

- Press and hold ZERO until 'F3' is displayed.
- Press and hold PRINT until 'F3.1' is displayed.
- Press PRINT again.
- Using GROSS and ZERO, set the time out period you require (between 0 and 99 minutes).
- Press PRINT once and HOLD twice to set the time out period and return to normal weighing.

### **Setting the auto power-off function**

- Additionally, the scale can be programmed to power down after a set period in order to save battery power. To set, with the indicator switched on and nothing on the scale press and hold HOLD until 'F1' is displayed.
- Press and hold ZERO until 'F3' is displayed.
- Press and hold PRINT until 'F3.1' is displayed.
- Press and hold ZERO until 'F3.2' is displayed.
- Press PRINT.
- Using GROSS and ZERO, set the auto power off period you require (between 0 and 99 minutes).
- Press PRINT once and HOLD twice to set the auto power off period and return to normal weighing.

# Print formats

Accumulation data print out

REPORT	
-----	
1	0.200kg
2	0.175kg
3	0.347kg
4	0.375kg
-----	
Total:	1.097kg

Count data print out

REPORT	
-----	
Gross:	0.547kg
Amount:	55

Total weight

REPORT	
-----	
Total:	1.097kg

Weight data print out

REPORT	
-----	
Gross:	45.0kg
Tare:	5.0kg
Net:	40.0kg

Check weight print out

REPORT	
-----	
Gross:	2.020kg
State:	OK

## Charging the scale

The PT-500 and PT-600 are supplied with a 7v 100ma tip +ve adaptor, which plugs directly into the indicator.

Please allow eight hours for the internal rechargeable battery to reach full charge from flat.

## Replacing the printer's tally roll (PT-600 only)

Replacing the tally roll on the PT-600's is easy.

Simply pull the lever down on the top right hand side of the printer and the front cover of the printer will release.

Remove the tally carefully and replace with a new one supplied by Marsden, ensuring the end of the tally roll is lined up with the opening of the printer.

For replacement tally rolls call 01709 364296.

## Error messages

Display	Problem	Solution
<p>【 _EEE 】</p> <p>【 EEE 】</p>	Unable to reset after start up	Ensure there is nothing on the scale when switching on
【 ⌈-----⌋ 】	Possible scale overload	Remove weight from the scale
【 ⌈-----⌋ 】	Scale is below zero	Press zero to re-zero the scale
<p>【 ⌈-no-⌋ 】</p> <p>【 ⌈_no_⌋ 】</p>	Out of balance range	Remove any weight from the scale and try again
【 --no-- 】	Invalid operation	
【 Err 03 】	EEPROM error	Switch the scale on again; if the error message still shows, contact your dealer/Marsden
【 Err 09 】	AD initialization error	Switch off the scale and restart. If the error occurs again, contact your dealer/Marsden



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