

Scale Setup with Random Weight Barcodes

There are a couple of uses to the scale in a business, this depends on the scale type and the way it operates, **The first type of scales** sits in each department and the clients comes in there and buys an item with variable weight, the seller then weighs the item and presses a key and the scale produces a barcode label with the name of the item, price and a random weight barcode on it, and stick this label on that item, then the client proceeds to the checkout where the staff member scans that item, and Rman recognises that item as a random weight barcode and handles it as we shall discuss later on below.

This type of scale does not need to be setup in Rman, but is only connected to the computer system to update the items in there as to their description and price, it could also be programmed manually to do the same. You will need to define the type of barcode and the number of decimals in weight (1000 for Kg and 100 for lb) in Rman, this can be done from Maintenance > System Setup > POS.

The screenshot shows the 'System Setup' window with the 'P.O.S.' tab selected. The 'POS Screen Setup' section includes options for user prompts, collating, multi-currency, layby, credit sales, and quick buttons. The 'Random Weight Barcodes' section is highlighted, showing a barcode format of 'DDPPPPWWWWWC' and 'Decimals in Weight' set to 3. The 'POS Docket Setup' section includes company information for 'Acme Enterprises5', printer settings, and transaction printing options. The 'P.O.S.' tab is also highlighted with an orange box.

A screenshot from Rman version 1.90.05

The Random weight Barcodes have normally the following format:

ddppppppwwwwwc:

dd = department which and can be 02, 20, 21, 22, 23, 24, 25, 26, 27, 28 or 29.

pppppp = part number

wwwww = Weight

c = Check digit

Most scales can be programmed to print out the above barcode format, there are other formats as well but this is the most widely used.

So the part numbers is made up of 5 digits "ppppp"
 An example of this is:



02 12345 02150 3

02 is the department
 12345 is the part number
 02150 is the weight in grams or lb
 3 is the check digit

POS-1 01/07/2010			
Part No.	Part Details	Qty	Amount \$
0212345021503		0.000	0.00

Screenshot as barcode is entered

So when Rman scans this barcode, it will strip all the extra digits from the code and only keep the part number which is 12345 and will also pre-fill the quantity field with the weight (divided by 1000 for KG and divided by 100 for lb) and will also calculate the price based on the stock item.

POS-1 01/07/2010						
Part No.	Part Details	Qty	Amount \$	Disc. %	Total \$	
12345	Green Apples	2.150	6.95	0.00	14.94	
		0.000	0.00	0.00	0.00	

Annotations in the screenshot:
 - Part number after part number loses focus (points to 12345)
 - Qty picked up from barcode (points to 2.150)
 - Price from stock file (points to 6.95)

Screenshot after part number field loses focus

Please note that using the above setup for Random Weight Barcode, you MUST NOT flag the stock items in the stock file as "Use Scale" option, otherwise, every time you sell this item, the system will display a screen that will need to read the weight from the scale. This option is used in the other type of scale use as described below.

The **other scale type** is the one that sits at the checkout and is connected to the point of sale computer (mostly through the serial port), the client comes in with an item that is sold by weight, so the user must weigh the item on the scale that is connected to the point of sale computer, the user then enters the item code on the computer (either manually or using the quick menu buttons on the POS screen) Rman will then read the weight from the scale and enter that weight in the quantity field.

To setup Rman to handle this type of operation, you must do the following:

1 – Go to Maintenance > Hardware Setup > Scale tab, and choose the scale and its parameters, making sure all parameters properly correspond to the scale, including the serial port, serial port, read time, hand shake characters and so on. Failure to get the set the proper parameters will require you to exit Rman, reset the scale and try again. If your scale is not on the list, just choose any scale and adjust the parameters to match with your scale.

Hardware Setup

Default Printers | POS Printer 2 | Cash Drawer | Pole Display | Electronic Scale

Electronic Scale

Scale Name	METTLER TOLEDO PS60
Com Port	1
Baud Rate	9600
Parity	E
Bits	7
Stop Bits	1
Read Time (ms)	400
Hand Shake	87
Weight Start position	2
Weight Digits	5
Factor	1.000

Save (F2) | Close (Esc)

Next, you will need to flag all the items that are sold by weight with the “USE SCALE” flag in the stock card

Stock Card Maintenance (Edit Mode)

Inactive

Part Number: 12345

Item Details: Green Apples

Other Details:

Default Supplier:

Web Store:

Track Serial Numbers:

Track Expiry Date:

Use Scale:

Print on Invoice:

Edit Qty on Sales:

Edit Price on Sales:

If your scale setup is correct, place the item on the scale and either press the Quick Menu button for that item or enter it manually, the program will display the scale weight read screen and will show you the weight of the item and will also calculate the price for you, then once the weight stops fluctuating on this screen, you can press the “Get Weight” button to close that screen and move the data to the POS screen, then continue working from there.

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Part No.	Part Details	Qty	Amount \$	Disc. %	To
▶12345	Green Apples	2.230	6.95	0.00	
		0.000	0.00	0.00	

Green Apples \$6.95

Weight

Sutotal


 Get Weight


 Close

Bin: On Hand:

TAX INVOICE Client Name

27033 F7 Balance

2.230	Total \$
	Paid \$