

Ethernet Connection to the Scale: In Motion Character

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Q. How are weights manually entered when using an Ethernet connection in the Grain Scale Interface?

A. When using an Ethernet connection and weights are to be manually entered with the Handbook 44 requirement enabled, select the *Disallow capture of Invalid / In Motion Weights* option on the *Grain Scale Interface / Setup / Scale Interface Configure* window. Use a character included in every string, such as L (ASCII code 76), for the *Comma Delimited List of Valid Weight Ascii Codes* textbox.

When the *Disallow capture of Invalid / In Motion Weights* option is not selected, the scale interface displays an asterisk (*).

The screenshot shows the 'Scale Interface Configure' window for 'Scale 1'. The 'General' tab is selected. The 'Scale Port' is set to 'Ethernet', 'IP Address' is '10.100.100.252', and 'Port Number' is '4660'. The 'Scale Name' is 'Scale 1'. The 'Scale Char' is 'L', 'Start Char' is '-6', 'Num Char' is '6', and 'End Char' is 'G'. The 'Disallow capture of Invalid / In Motion Weights' checkbox is checked. The 'Comma Delimited List of Valid Weight Ascii Codes' field contains '76'. The 'Position of Valid Weight Flag from Start Char' field contains '6'. The 'Scale Counter Override' is '100000' and the 'Maximum Capture Weight' is '9999999'. The 'Setup Weights Per Axle', 'List Grade Factors', 'Save', and 'Cancel' buttons are at the bottom.

If debugging the scale using the ASCII code, count the number of characters from the *Start Char* to the ASCII code value. Enter that number in the *Position of Valid Weight Flag from Start Char* field.

Scale Interface Configure X

Scale To Configure
Scale 1

Scale **General** Printer

Ticket Counter Database Use Older Windows Serial Component <Default Location> Main

Next Ticket Number 0 Enable Split Weighing <Default Commodity>

Default Cash Price <Default Bin>

Scale Port Ethernet IP Address 10.100.100.252 Port Number 4660 Scale Name Scale 1

Verify Each Ticket on Direct Transfer

Read Scale only when capture button is pressed Read Scale Indicator Twice Before Updating

Scale Char 2 Scale Char Is Ascii Code Change Color While Reading Scale

Start Char 3 Close Delay 0 Scale Read Method Standard

Num Char 6 Scale Break is >= 10

End Char 10 End Char Is Ascii Code Close Port on Timer Stop

Timer Interval (milliseconds) 5 Reset Port on Counter Maxed

Min. Buffer Size 15 Scale Counter Override 100000

Debug Scale Maximum Capture Weight 9999999

Disallow capture of Invalid / In Motion Weights

Position of Valid Weight Flag from Start Char 6 Comma Delimited List of Valid Weight Ascii Codes 76

Disallow capture of Weight when not in Scale Gross Mode

Position of Valid Mode Flag from Start Char 0 Comma Delimited List of Valid Scale Mode Ascii Codes

When not using the ASCII code, the *Position of Valid Weight Flag from Start Char* is the same as the *Start Char*.

Scale Interface Configure



Scale To Configure

Scale 1

Scale General Printer

Ticket Counter	Database	<input type="checkbox"/> Use Older Windows Serial Component	<Default Location>	Main
Next Ticket Number	0	<input type="checkbox"/> Enable Split Weighing	<Default Commodity>	
Default Cash Price			<Default Bin>	
Scale Port	IP Address	Port Number	Scale Name	
Ethernet	10.100.100.252	4660	Scale 1	
<input checked="" type="checkbox"/> Verify Each Ticket on Direct Transfer		<input type="checkbox"/> Read Scale Indicator Twice Before Updating		
<input type="checkbox"/> Read Scale only when capture button is pressed		<input type="checkbox"/> Change Color While Reading Scale		
Scale Char	L	<input type="checkbox"/> Scale Char Is Ascii Code	Scale Read Method	Standard
Start Char	-6	Close Delay	<input type="checkbox"/> Scale Break is >= 10	
Num Char	6	0	<input type="checkbox"/> Close Port on Timer Stop	
End Char	G	<input type="checkbox"/> End Char Is Ascii Code	<input type="checkbox"/> Reset Port on Counter Maxed	
Timer Interval (milliseconds)	5		Scale Counter Override	100000
Min. Buffer Size	15		Maximum Capture Weight	9999999
<input type="checkbox"/> Debug Scale				
<input checked="" type="checkbox"/> Disallow capture of Invalid Up Motion Weights				
Position of Valid Weight Flag from Start Char	6	Comma Delimited List of Valid Weight Ascii Codes		76
<input type="checkbox"/> Disallow capture of Weight when not in Scale Gross Mode				
Position of Valid Mode Flag from Start Char	0	Comma Delimited List of Valid Scale Mode Ascii Codes		

Setup Weights Per Axle List Grade Factors Save Cancel