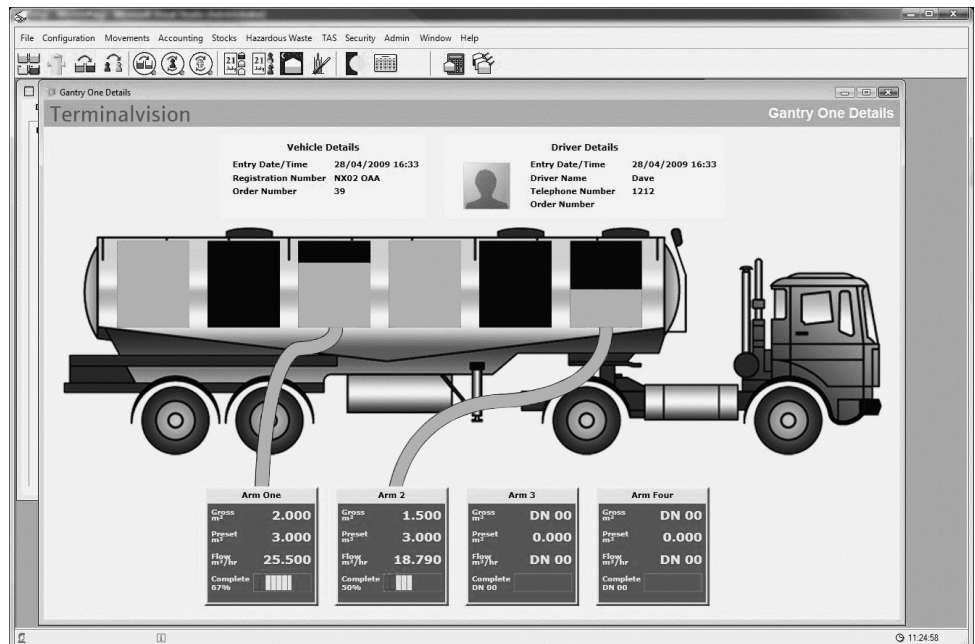
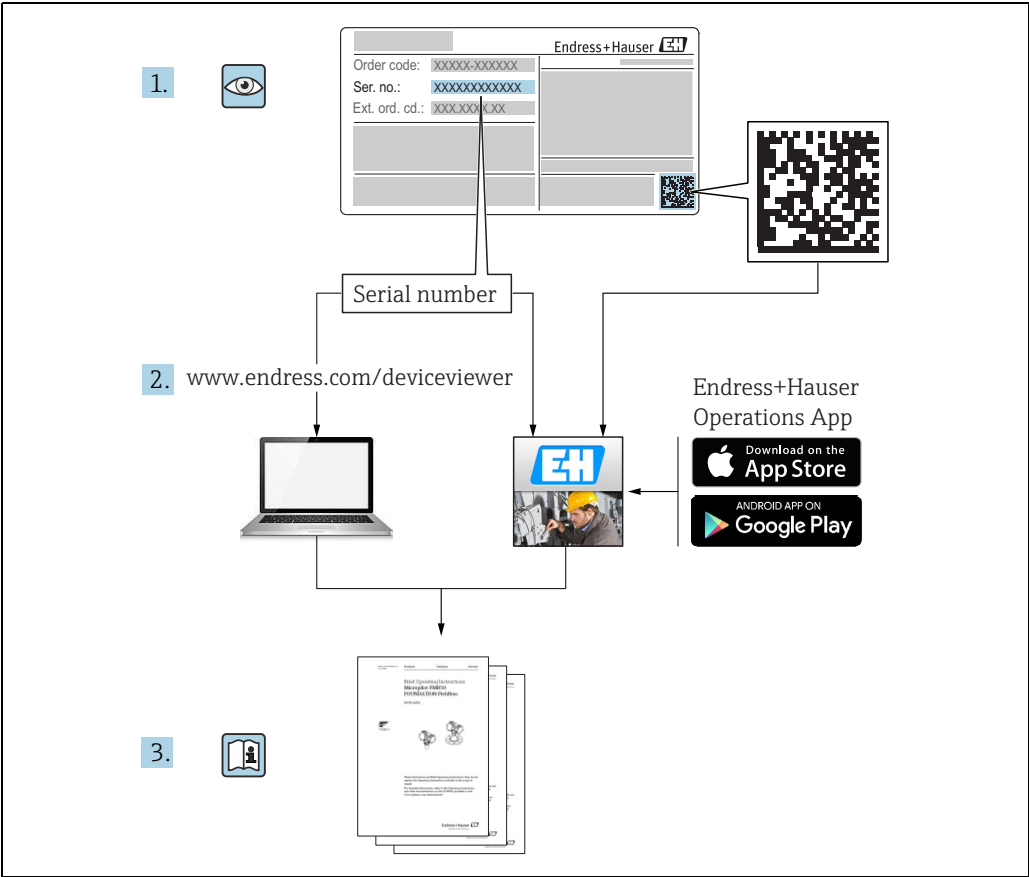


Operating Instructions Terminalvision NXS85

Terminal Management Software Weighbridge Configuration and User Guide





A0023555

Table of Contents

1	Document information	4	11	Weighing Multiple Products	31
1.1	Target audience for this manual	4	12	Printing BOL and Weigh Ticket	32
1.2	Version history	4	12.1	Printing BOLs	32
1.3	Document function	4	12.2	Printing Weigh Tickets	32
1.4	Documentation	5		Index	34
2	Identification	6			
2.1	Product identification	6			
2.2	Nameplate	6			
2.3	Order code and device version	7			
2.4	Device documentation	7			
2.5	Registered trademarks	7			
3	Basic safety instructions.....	8			
3.1	Requirements for the personnel	8			
3.2	Designated use	8			
3.3	Workplace safety	8			
3.4	Operational safety	8			
3.5	Product safety	9			
4	Introduction	10			
5	Weighbridge Operation.....	11			
5.1	Order Creation	11			
5.2	Weighing a Vehicle IN	12			
5.3	Weighing a Vehicle OUT	13			
6	Weighbridge Configuration	15			
6.1	Weighbridge Options	16			
7	Weigh History.....	18			
7.1	Adding Column Headers	19			
7.2	Removing Column Headers	21			
8	Weighing a Vehicle In	22			
8.1	Using a Manual Weight Value	24			
9	Weighing a Vehicle Out.....	25			
9.1	Using a Manual Weight Value	27			
9.2	Weighbridge Transactions	27			
10	Committing the Transaction to Bookstock	28			
10.1	Automatic Commit	28			
10.2	Manual Commit	28			

1 Document information

1.1 Target audience for this manual

This manual should support during the configuration of Terminalvision. It deals with the configuration steps to setup the Weighbridge of Terminalvision.
It is recommended receiving a training on the system by Endress+Hauser.





1.2 Version history

Document version	Valid for SW version	Changes to the previous version
BA01583G/00/EN/01.15	18.0.2	Initial version
BA01583G/00/EN/02.18	18.2.3	Order creation, weigh in and out explained





1.3 Document function

1.3.1 Used symbols




Safety symbols

Symbol	Meaning
 A0011189-EN	DANGER! This symbol alerts you to a dangerous situation. Failure to avoid this situation will result in serious or fatal injury.
 A0011190-EN	WARNING! This symbol alerts you to a dangerous situation. Failure to avoid this situation can result in serious or fatal injury.
 A0011191-EN	CAUTION! This symbol alerts you to a dangerous situation. Failure to avoid this situation can result in minor or medium injury.
 A0011192-EN	NOTICE! This symbol contains information on procedures and other facts which do not result in personal injury.



Electrical symbols

Symbol	Meaning
 A0011197	Direct current A terminal to which DC voltage is applied or through which direct current flows.
 A0011198	Alternating current A terminal to which alternating voltage is applied or through which alternating current flows.
 A0011200	Ground connection A grounded terminal which, as far as the operator is concerned, is grounded via a grounding system.
 A0011199	Protective ground connection A terminal which must be connected to ground prior to establishing any other connections.

Symbols for certain types of information

Symbol	Meaning
 A0011193	Tip Indicates additional information.
 A0011195	Reference to page Refers to the corresponding page number.
1., 2., 3...	Series of steps
 A0018373	Result of a sequence of actions

Symbols in graphics

Symbol	Meaning
1, 2, 3...	Item numbers
1., 2., 3...	Series of steps
A, B, C...	Views
 A0011187	Hazardous area Indicates a hazardous area.
 A0011188	Indicates a non-hazardous location Safe area (non-hazardous area)

1.4 Documentation

1.4.1 Operating instructions

Document number	Instrument	Type of Document
BA01582G/00	Terminalvision	Configuration Guide
BA01580G/00	Terminalvision	Installation
BA01584G/00	Terminalvision	Operation Guide
BA01583G/00	Terminalvision	Weighbridge Configuration and User Guide
BA01897G/00	Terminalvision	Queuing Installation and Operation
BA01898G/00	Terminalvision	Self-Service Kiosk

2 Identification

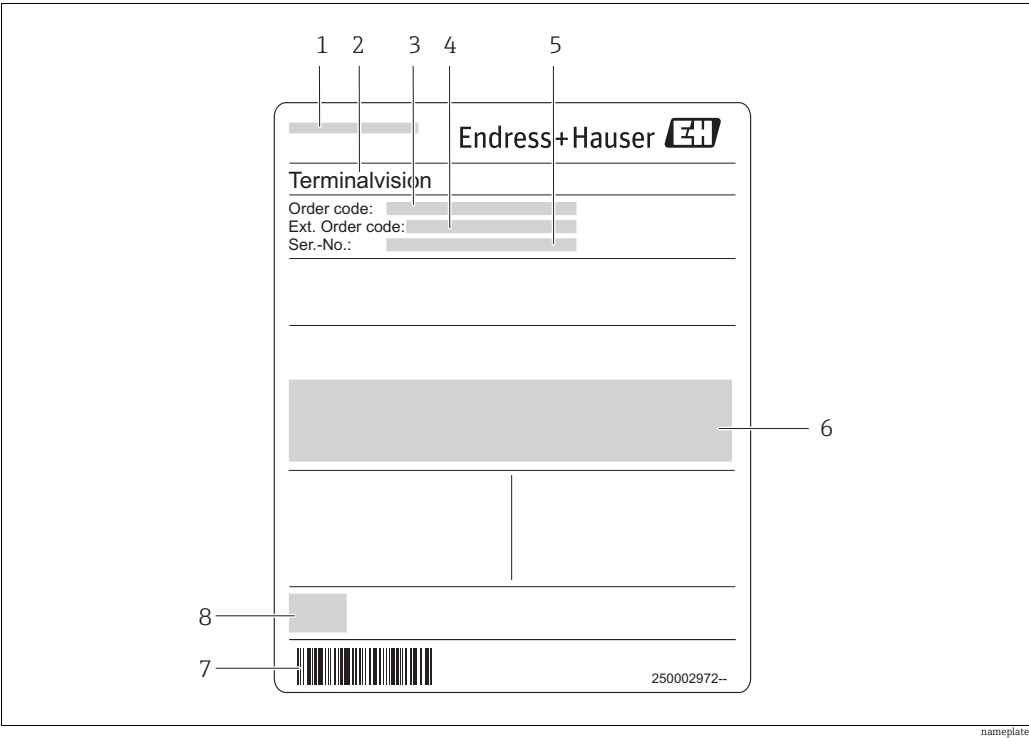
2.1 Product identification

The following options are available for identification of the software:

- Nameplate specifications
- Order code with breakdown of the software features on the delivery note
- Enter serial numbers from nameplates in W@M Device Viewer (www.endress.com/deviceviewer); all information about the software is displayed.

For an overview of the technical documentation provided, enter the serial number from the nameplates in the W@M Device Viewer (www.endress.com/deviceviewer).

2.2 Nameplate



- 1 Address of manufacturer
- 2 Device name
- 3 Order code
- 4 Extended order code (Ext. ord. cd.)
- 5 Serial number (Ser. no.)
- 6 Certificate and approval relevant data
- 7 Barcode
- 8 CE mark

2.3 Order code and device version



To find out the version of your software, enter the order code indicated on the nameplate in the search screen at the following address:
www.products.endress.com/order-ident

2.4 Device documentation

The information required to retrieve the documentation can be found on the nameplate of the device.



Technical documentation can also be downloaded from the Download Area of the Endress+Hauser web site: www.endress.com → Download. However this technical documentation applies to a particular instrument family and is not assigned to a specific device.

2.4.1 W@M Device Viewer



1. Launch the W@M Device Viewer: www.endress.com/deviceviewer



2. Enter the serial number (Ser. no.) of the device: see nameplate.
↳ All the associated documentation is displayed.

2.4.2 Endress+Hauser Operations App



The **Endress+Hauser Operations App** is available both for android smart phones (Google Play Store) and for iPhones and iPads (App Store).

Via the serial number:



1. Launch the **Endress+Hauser Operations App**.



2. Enter the serial number (Ser. no.) of the device: see nameplate.
↳ All the associated documentation is displayed.

2.5 Registered trademarks

Microsoft®, Windows® and Internet Explorer®
Registered trademarks of the Microsoft Corporation

Modbus™
Modbus is a registered trademark of Schneider Electric USA, Inc.

Java®
Registered trademark of Sun Microsystems, Inc.

Mozilla® Firefox®
Registered trademark of the Mozilla Foundation

Android® and Google Play® are registered trademarks of Google Inc.

iPhone® and iPad® are trademarks of Apple® Inc., registered in the U.S. and other countries.

3 Basic safety instructions

3.1 Requirements for the personnel

The personnel for installation, commissioning, diagnostics and maintenance must fulfill the following requirements:

- Trained, qualified specialists: must have a relevant qualification for this specific function and task
- Are authorized by the plant owner/operator
- Are familiar with federal/national regulations
- Before beginning work, the specialist staff must have read and understood the instructions in the Operating Instructions and supplementary documentation as well as in the certificates (depending on the application)
- Following instructions and basic conditions

The operating personnel must fulfill the following requirements:

- Being instructed and authorized according to the requirements of the task by the facility's owner operator
- Following the instructions in these Operating Instructions

3.2 Designated use

3.2.1 Application

Terminalvision is a terminal management and loading monitoring software designed to meet the requirements of depots and terminals. Interfacing to most vendor devices used for access control, batch controllers, flow computers, and weighbridges, Terminalvision provides a secure and controlled loading and off-loading procedure for all movement types. Terminalvision also enables site control and overview, allowing operators to access details of all gantries, loading arms, vehicles, drivers, and products in use on site.

Terminalvision can be provided as a simple standalone station for small depots, or be configured on larger sites as a full Client/Server system where multiple operator stations are required. Printers can be distributed throughout the system, for example placed within the terminal control room and control rooms for internal reporting, as well as at the exit gate for the automatic printing of BOLs.

3.3 Workplace safety

For work on and with the device:

- Wear the required personal protective equipment according to federal/national regulations.
- Switch off the supply voltage before connecting the device.

3.4 Operational safety

Risk of injury!

- Operate the device in proper technical condition and fail-safe condition only.
- The operator is responsible for interference-free operation of the device.

Conversions to the device

Unauthorized modifications to the device are not permitted and can lead to unforeseeable dangers

- If, despite this, modifications are required, consult with Endress+Hauser.

3.5 Product safety

The device is designed to meet state-of-the-art safety requirements, has been tested and left the factory in a condition in which it is safe to operate. The device complies with the applicable standards and regulations as listed in the EC declaration of conformity and thus complies with the statutory requirements of the EG directives. Endress+Hauser confirms the successful testing of the device by affixing to it the CE mark.

4 Introduction

Terminalvision currently supports the use of a number of weighbridge types, these being:

- Bilanciai D410
- Bilanciai D800
- A&D AD-4329

A weighbridge license must be in force in order to configure and use a weighbridge with the Terminalvision system.

When a weighbridge license is in place a number of extra items are added to the Terminalvision menu. These are:

- Terminalvision Weighbridges
- Weigh Vehicle In
- Weight Vehicle Out
- Terminalvision Weigh History

A number of simple architectures are considered in the following sections.

5 Weighbridge Operation

5.1 Order Creation

Before a vehicle can be weighed onto site it is necessary to enter some basic information. This is achieved by creating a new **Open Order** (refer to the Terminalvision Operation manual BA01584G for details):

The screenshot shows the 'TAS Order' window. It is divided into several sections:

- Order:**
 - Order Type: Open Order
 - Order Number: 1
 - Order Date: 19/04/2016
 - Quantity Type: Weight
 - Direction: Receipt
 - Supplier: customer 1
 - Date Dependent: ☐
 - Date From: 19/04/2016
 - Date To: 19/04/2016
 - Authorised: ☒
 - Comments: (empty text box)
 - Load Status: Ready
- Customer:**
 - Customer: customer 1
 - Reference Number: (empty text box)
 - Destination: site
- Logistics:**
 - Carrier: customer 1
 - Driver: (empty text box)
 - Vehicle: (empty text box)
- Products:**

Supplier Product	Taken (kg)	Status
product 1		Ready
product 2		Ready
product 3		Ready

Buttons at the bottom: Add, OK, Cancel.

Terminalvision_Weighbridge_Configuration_& User_Guide_EN_052

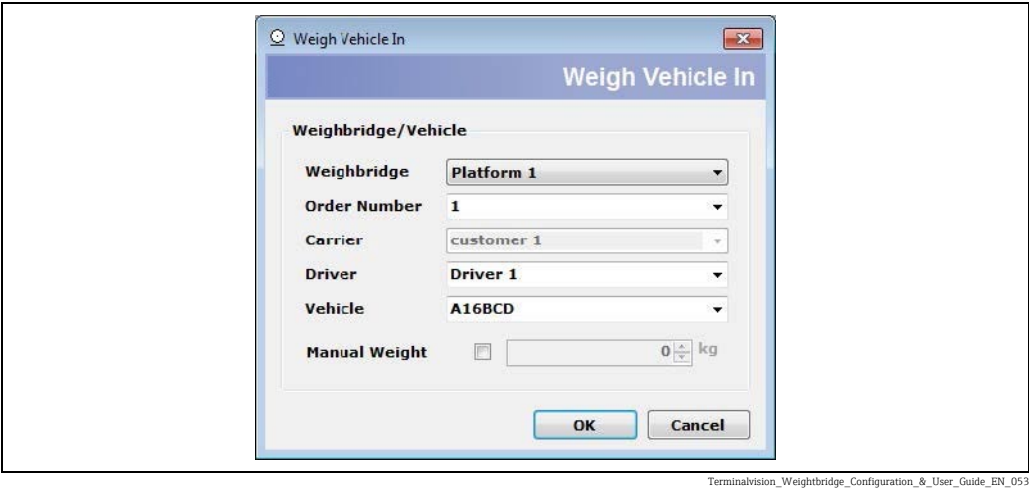
Field	Description
Order Number	Enter a unique order number. Alternatively this may be left blank, in which case it will be automatically populated with a unique (sequential) number.
Quantity Type	This should be set to Weight .
Direction	Set to either Load or Receipt as required.

There is no need to enter any other information as this can be completed in the **Weigh** screens however any details added at this stage will be automatically entered into the **Weigh** screens.

If a **Carrier** is entered onto the order it will not be possible to change this when weighing vehicles in but the driver and vehicle can be edited if necessary.

5.2 Weighing a Vehicle IN

When a vehicle arrives on site it is weighed in.
Select **TAS** → **Weigh Vehicle In** from the menu bar. The following window opens:

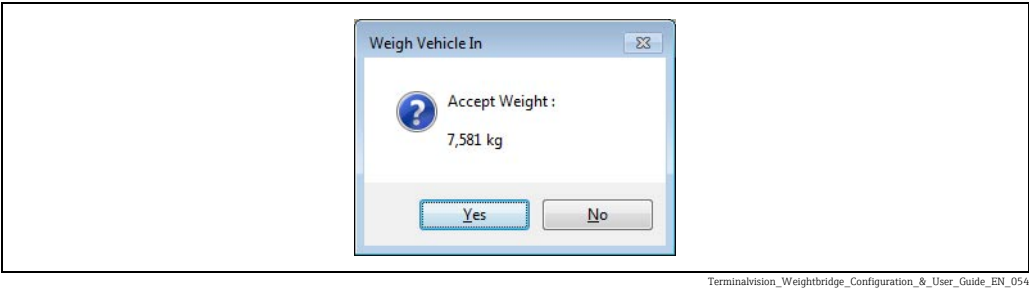


It is necessary to select the **Weighbridge** being used to weigh the vehicle. In addition, the **Order Number**, **Carrier**, **Driver** and **Vehicle** must be entered. Existing entries are available by using the drop down lists. In addition, **New Drivers** and **Vehicles** can be typed into the fields directly which are then stored for future use.

Field	Description
Weighbridge	Select the weighbridge platform from the list.
Order Number	This may be selected from the list or entered manually.
Carrier	This may be selected from the list or a new carrier may be entered manually.
Driver	This may be selected from the list or a new driver may be entered manually.
Vehicle	This may be selected from the list or a new vehicle may be entered manually.
Manual Weight	Tick this box to manually enter the vehicle weight.

New manual entries are stored to the database for future use.

When the **Next** button is clicked, the weight is requested from the weighbridge. A confirmation window will open displaying the weight, click **Yes** to store the weight to the database.



5.3 Weighing a Vehicle OUT

When the vehicle has completed loading/unloading a product it must return to the weighbridge to register the amount of product transferred.

Select **TAS** → **Weigh Vehicle Out** from the menu bar.

Terminalvision_Weighbridge_Configuration_&_User_Guide_EN_055

Field	Description
Weighbridge	Use the drop down menu to select the weighbridge platform used to weigh the vehicle out.
Vehicle	The vehicle's registration number is used to reference the database and retrieve the entry weight.
Manual Weight	Tick this box to manually enter the vehicle's exit weight.
Location	Select which tank has received/loaded the product.
Product	Use the drop down list to select the product that has been transferred.
Reference	Enter the reference density of the tank for use in volume corrections.
Temperature	Enter the reference temperature of the tank for use in volume corrections.
Use Volumes	Tick this box to manually enter metered volumes instead of calculating the volume from the weight of product transferred.
Metered Volume	Enter the metered value of the volume.
Standard Volume	Enter the equivalent standard volume for the metered volume.
Transaction Complete	If the vehicle is now leaving the yard, the Transaction Complete box should remain ticked. If there is another product to be unloaded, the box should be unticked. In this case the weight retrieved from the weighbridge is used as the final weight for the current batch and the initial weight for the next batch.
Commit Transaction	Tick this box to indicate that the volumes should be calculated and entered into the inventory side of the software. Once this has been done it will no longer be possible to enter container details for the batch.

Field	Description
Print BOL	Tick this box to print a Bill of Lading to the selected printer.
Print Ticket	Tick this box to print a weighbridge ticket to the selected printer.

Transaction7

Batch1

Site 1

Tel.
Fax
Email

Customer/Supplier
customer 1

Order Number
1

Product
product 1

Haulier
customer 1

Vehicle
A16BCD

Weight 1

Date/Time20/04/2016 10:29:49

Weighing Code0000335

Weight8,427kg

Weight 2

Date/Time20/04/2016 10:30:45

Weighing Code0000337

Weight9,029kg

Weighing Net

602 kg

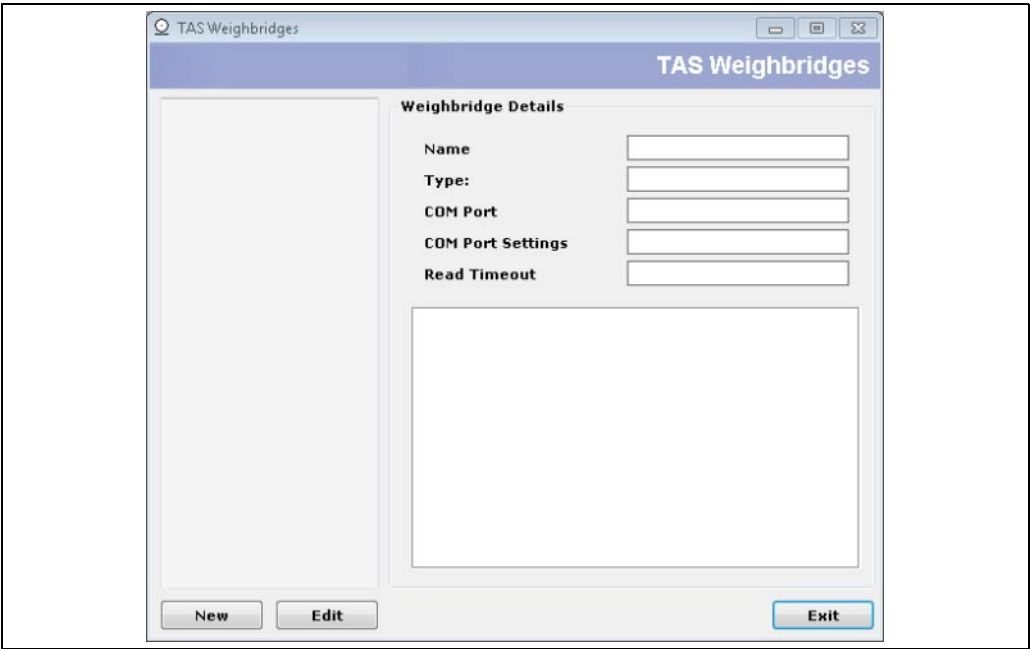
DRIVER'S SIGNATURE

WEIGHMAN'S SIGNATURE

Terminalvision_Weighbridge_Configuration_&_User_Guide_EN_056

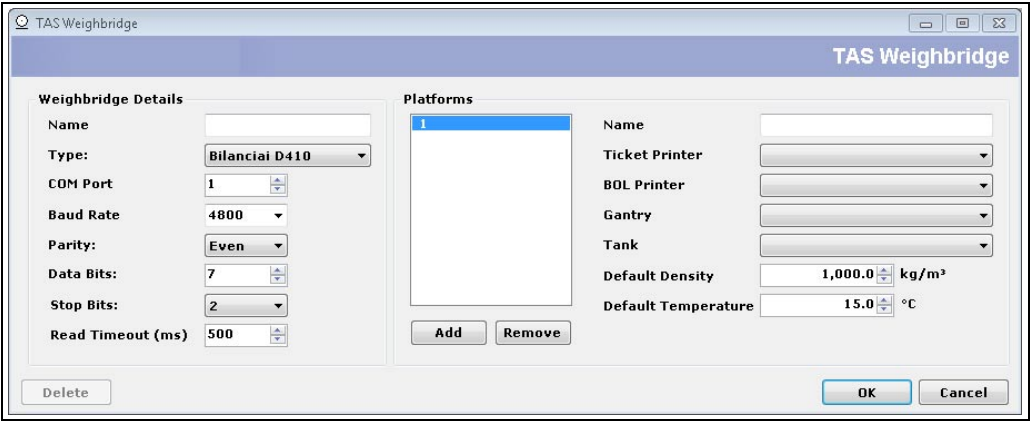
6 Weighbridge Configuration

To configure a **New Weighbridge** select **TAS** → **TAS Weighbridges** from the menu bar. The screen shown in figure below will open.



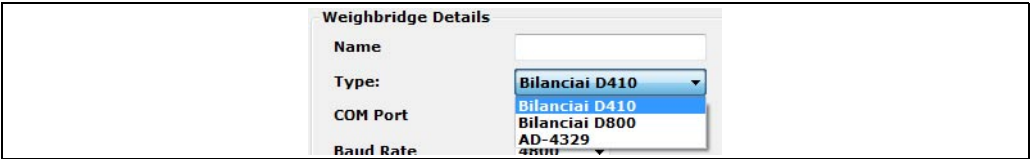
Terminalvision_Weighbridge_Configuration_& User_Guide_EN_001

Select **New** to configure a **New Weighbridge**.
The screen shown in figure below is opened to configure the new weighbridge.



Terminalvision_Weighbridge_Configuration_& User_Guide_EN_002

Select the type of weighbridge from the choices in the drop down box as shown in figure below.



Terminalvision_Weighbridge_Configuration_& User_Guide_EN_003

The screenshot shows the 'TAS Weighbridge' configuration window. On the left, 'Weighbridge Details' are set: Name 'Bilanciai D800', Type 'Bilanciai D800', COM Port '1', Baud Rate '4800', Parity 'Even', Data Bits '7', Stop Bits '2', and Read Timeout (ms) '500'. In the center, the 'Platforms' list contains 'Bilanciai D800'. On the right, platform-specific settings are shown: Name 'Bilanciai D800', Ticket Printer, BOL Printer, Gantry, Tank, Default Density '1,000.0 kg/m³', and Default Temperature '15.0 °C'. Buttons for 'Delete', 'Add', 'Remove', 'OK', and 'Cancel' are visible.

Terminalvision_Weighbridge_Configuration_& User_Guide_EN_004

The Bilanciai D410 and AD-4329 weighbridges have only 1 platform, however the D800 weighbridge has 2 platforms and a second platform must be added to the configuration (even if it will not be used). To add another platform click the **Add** button. The weighbridge and platform names will be set by default to the type of weighbridge selected. These may be changed if required by typing a new name in the relevant field, in the case of the platforms first select the platform then type the new name (see figure below).

This screenshot shows the same configuration window but with two platforms. 'Weighbridge Details' remain the same. The 'Platforms' list now contains 'Platform 1' and 'Platform 2'. The settings for 'Platform 2' are shown on the right: Name 'Platform 2', Ticket Printer, BOL Printer, Gantry, Tank, Default Density '1,000.0 kg/m³', and Default Temperature '15.0 °C'. The 'Add' button is highlighted.

Terminalvision_Weighbridge_Configuration_& User_Guide_EN_005

The default communication parameters will normally be correct for the weighbridge type, and it will only be necessary to select the COM port that the weighbridge is connected to. However the parameters can be modified if required.



Ensure that the selected COM port is NOT enabled in DCC Config.

6.1 Weighbridge Options

There are a number of configurable options for the weighbridge. These need to be set separately for each platform.

6.1.1 Ticket Printer

This option selects the default ticket printer, for the platform, from those available on the system. If left blank the printer must be selected in the **Weigh Vehicle Out** screen if required.

6.1.2 BOL Printer

This option selects the default BOL printer, for the platform, from those available on the system. If left blank the printer must be selected in the **Weigh Vehicle Out** screen if required.

6.1.3 Gantry

The weighbridge may be associated with a particular gantry for automatic weighing in of vehicles. Select the gantry from the drop down list of those available.

6.1.4 Tank

This option selects the default tank, that will be used for the transaction, from those available on the system. If left blank, this will default to the first tank in the list. The selected tank may be changed in the **Weigh Vehicle Out** screen if required.

Normally orders would be entered into Terminalvision either ahead of a truck arriving or on demand as required.

6.1.5 Default Density

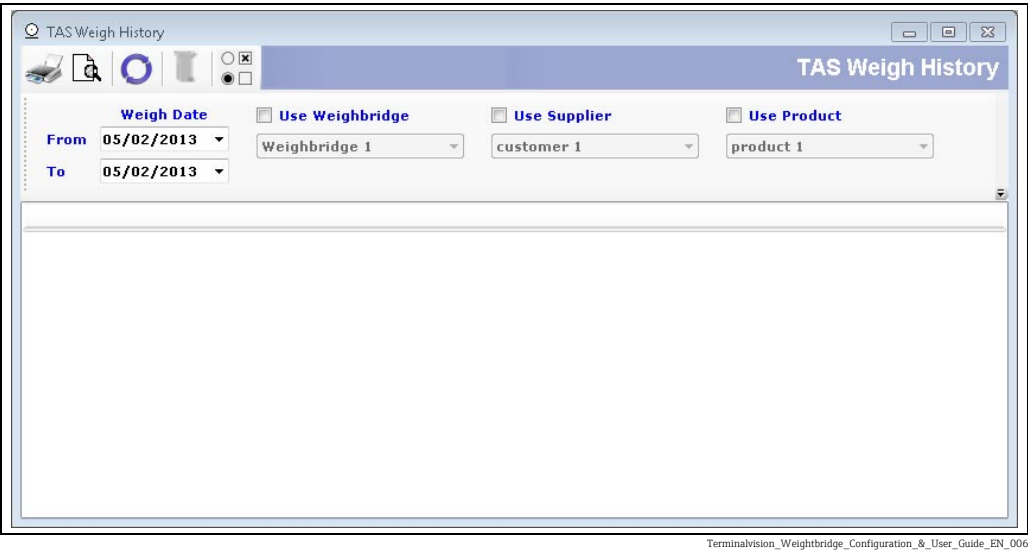
Enter a default value for product density in this field. This may be changed in the **Weigh Vehicle Out** screen if required.


6.1.6 Default Temperature

Enter a default value for product temperature in this field. This may be changed in the **Weigh Vehicle Out** screen if required.

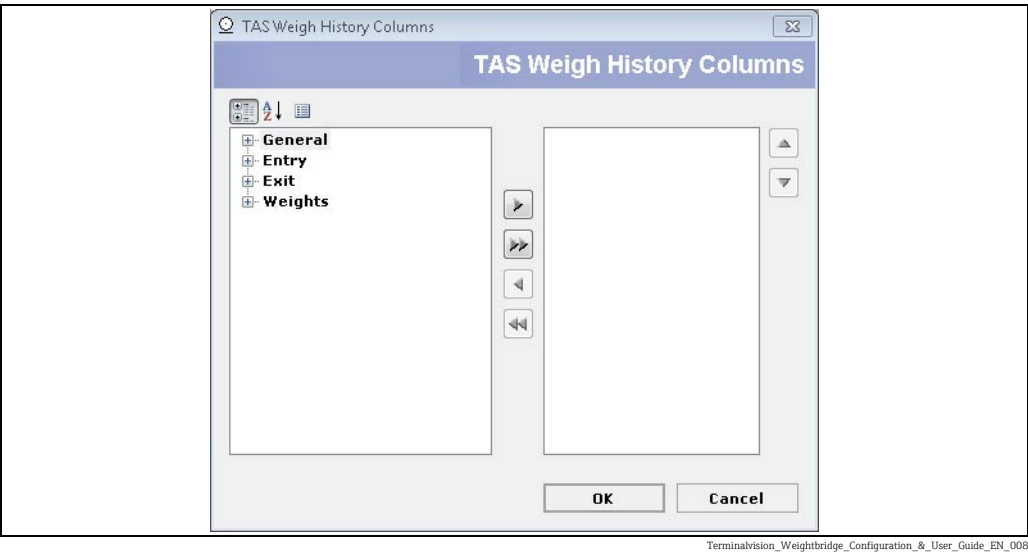
7 Weigh History

A log is kept of all weighbridge operations, IN and OUT. This can be found in the **TAS → TAS Weigh History** screen (see figure below).





The screen is configurable to display any, or all, of a set of available fields. Click on the **Options** button () in the tool bar to set which fields are displayed.


The window shown in figure below will open.



The different category groups can be expanded by clicking the  symbol to the left of the category.

There are 3 options for sorting the column headers to enable ease of selection:

Symbol	Function	Description
 <small>Terminalvision_Weighbridge_Configuration_&_User_Guide_EN_010</small>	Sort by Group	Column headers are grouped by category.
 <small>Terminalvision_Weighbridge_Configuration_&_User_Guide_EN_011</small>	Sort Alphabetically	All groups are opened and column headers are sorted alphabetically.

Symbol	Function	Description
<div> <small>Terminalvision_Weighbridge_Configuration_&_User_Guide_EN_012</small></div>	No Sort	All groups are opened and column headers are listed in the order that they appear in the groups.


7.1 Adding Column Headers

Open the Terminalvision Weigh History Columns window by opening the **TAS Weigh History** window and click the **Options** button.

7.1.1 Adding A Single Column Header

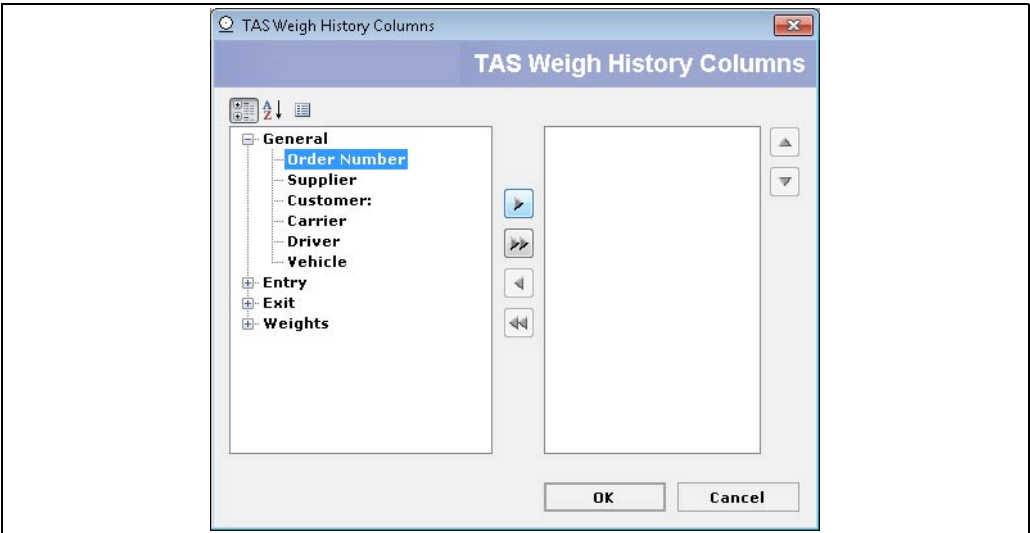
To add a **Column Header** to the Terminalvision Weigh History window, select the desired header in the Left pane and click the **Right Arrow** button . The item will move from the Left Pane to the Right Pane.

7.1.2 Adding An Entire Group

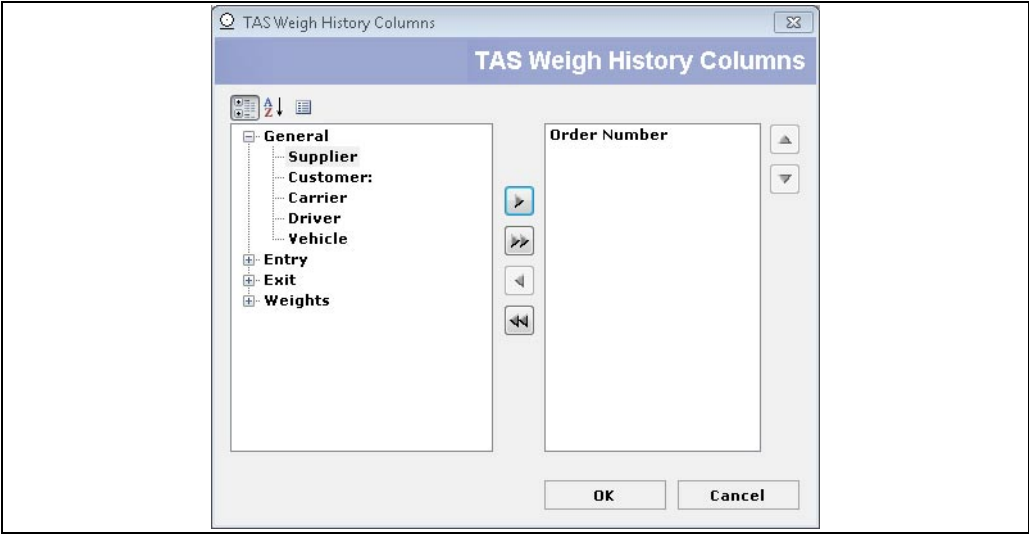
To add an **Entire Group** either select the group header in the Left pane and click the **Right Arrow** button or expand the group, select one of the group items and click the **Double Right Arrow** button . The group will move from the Left Pane to the Right Pane.

7.1.3 Adding All Column Headers

To add **All Column Headers** at the same time either select a group header in the Left hand pane and click the **Double Right Arrow** button or open the entire list using the **Sort Alphabetically** or **No Sort** button, select one of the list items and click the **Double Right Arrow** button. All items will move from the Left Pane to the Right Pane.



Selecting a single item to add

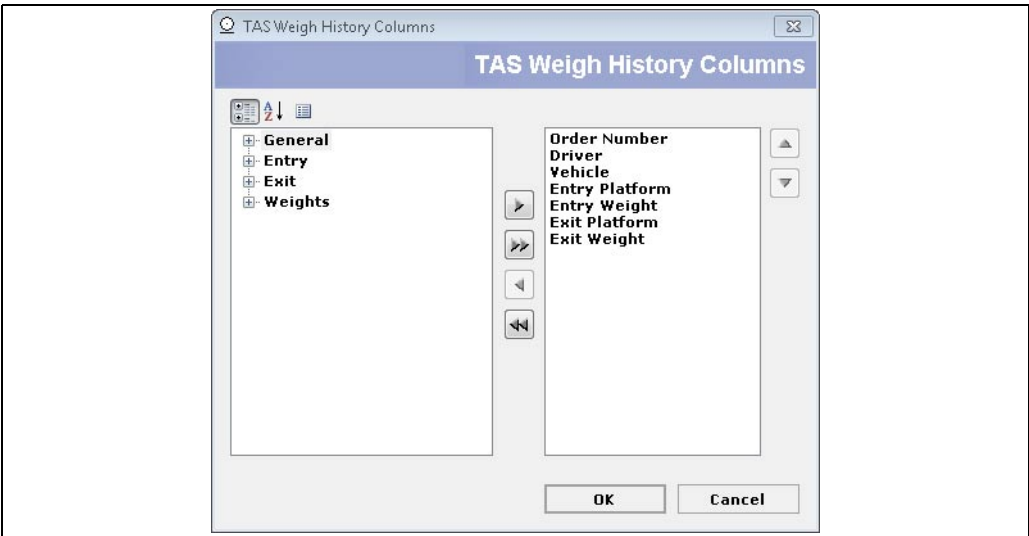


Terminalvision_Weighbridge_Configuration_&_User_Guide_EN_016

After item is added

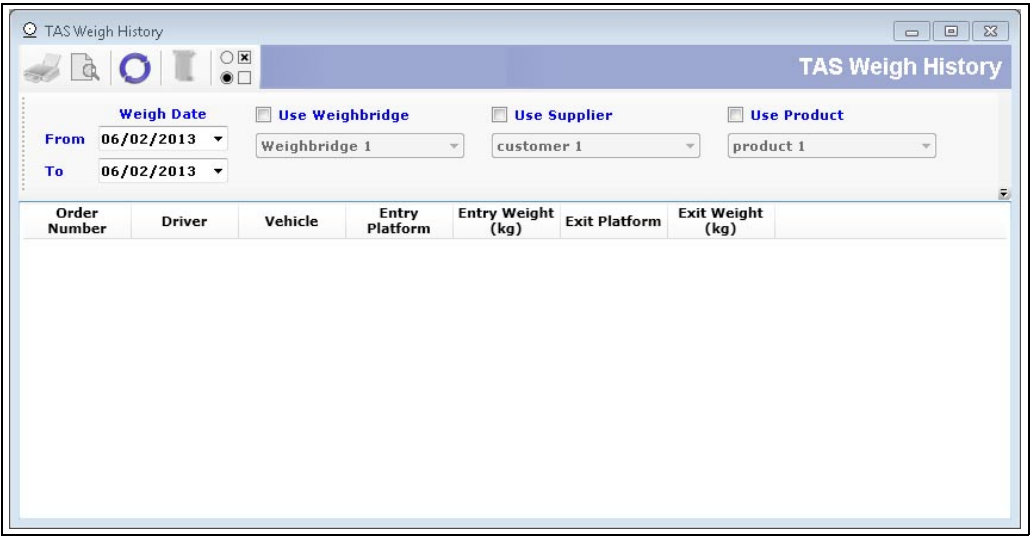
The columns will be ordered Left to Right in the **TAS Weigh History** window in the order they are added to the Right pane of the **TAS Weigh History Columns** window.

For example:



Terminalvision_Weighbridge_Configuration_&_User_Guide_EN_017

Will result in:



Terminalvision_Weighbridge_Configuration_&_User_Guide_EN_018


7.2 Removing Column Headers

Open the **TAS Weigh History Columns** window by opening the **TAS Weigh History** window and click the **Options** button.

7.2.1 Removing a Single Column Header

To remove a **Column Header** from the **TAS Weigh History** window, select the desired header in the Right pane and click the **Left Arrow** button . The item will move from the Right Pane to the Left Pane.

7.2.2 Removing All Column Headers

To remove **All Column Headers** from the **TAS Weigh History** window, select a header in the Right pane and click the **Double Left Arrow** button . All items will move from the Right Pane to the Left Pane.

8 Weighing a Vehicle In

If the Weighbridge has been associated with a specific gantry the Entry weight will be taken automatically when a transaction begins.

For a standalone weighbridge the entry weight must be taken manually by selecting **TAS** → **Weigh Vehicle In** from the menu bar. The screen shown in figure below will open:



The screenshot shows a window titled "Weigh Vehicle In". Inside, there's a section "Weighbridge/Vehicle" with several dropdown menus: "Weighbridge" (set to "Platform1"), "Order Number", "Carrier", "Driver", and "Vehicle". Below these is a "Manual Weight" section with a checkbox and a text field showing "0 kg". At the bottom are "OK" and "Cancel" buttons.

Terminalvision_Weighbridge_Configuration_&_User_Guide_EN_021

Select the required **Weighbridge** from the drop down list and enter an **Order Number**. Order numbers can be selected from the list or entered manually. If an invalid order number is entered an error message (see figure below) is displayed.



The screenshot shows a smaller dialog box titled "Weigh Vehicle In" with a yellow warning triangle icon and the text "Invalid Order Number." Below the message is an "OK" button.

Terminalvision_Weighbridge_Configuration_&_User_Guide_EN_022

When a valid order number is entered the remaining fields will be automatically completed as shown in figure below.



The screenshot shows the "Weigh Vehicle In" window with all fields filled out: "Weighbridge" is "platform 1", "Order Number" is "4", "Carrier" is "Customer1", "Driver" is "driver 1", "Vehicle" is "lorry 2", and "Manual Weight" is "0 kg". The "OK" and "Cancel" buttons are still at the bottom.


Terminalvision_Weighbridge_Configuration_&_User_Guide_EN_023

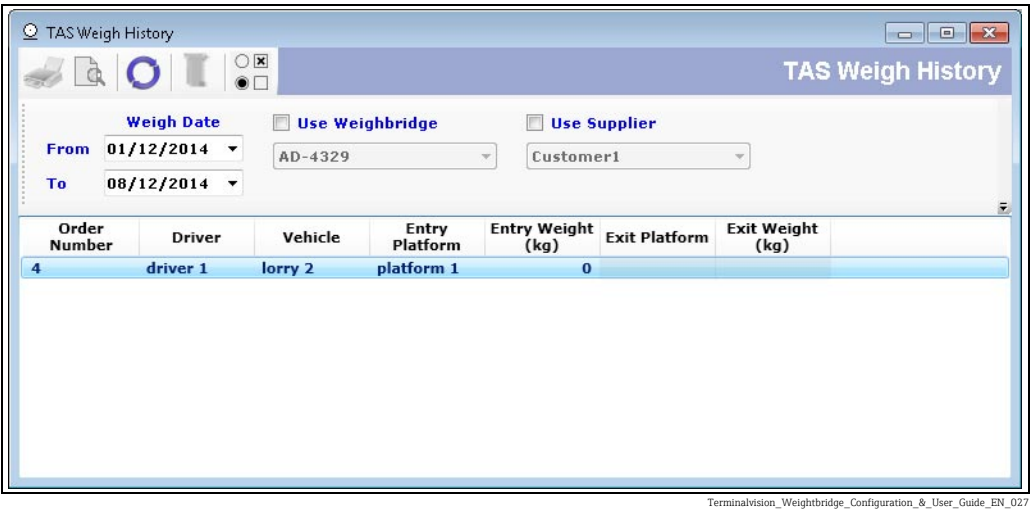
When the **OK** button is clicked the weight will be automatically retrieved from the weighbridge. If the action fails, an error message will be displayed as shown in figure below.



Click **OK** to return to the **Weigh Vehicle In** screen, and either retry the action or cancel. If the action succeeds then a confirmation message will be displayed with the weight (see figure below).



Click **Yes** to accept the weight and create the weigh in record or **No** to return to the **Weigh Vehicle In** screen, and either retry the action or cancel. The **TAS Weigh History** window will show a transaction with the entry weight recorded (see figure below). If the entry does not appear immediately the screen can be updated using the Refresh button .



8.1 Using a Manual Weight Value

If there is a communications issue with the weighbridge, a weigh in record may still be created by ticking the **Manual Weight** box during the weigh in action. A value should be entered in the field next to the tick box (see figure below).

Terminalvision_Weighbridge_Configuration_&_User_Guide_EN_028

When the **OK** button is clicked, the weigh in record will use the manual value entered (see figure below).

Order Number	Driver	Vehicle	Entry Platform	Entry Weight (kg)	Entry Weighing Code	Exit Platform	Exit Weight (kg)	Exit Weighing Code
4	driver 1	lorry 2	platform 1	12,000	Manual_Input	platform 1	54,000	Manual_Input

Terminalvision_Weighbridge_Configuration_&_User_Guide_EN_029

The Weighing Code for the weigh in record will indicate that the value is a manual input.

9 Weighing a Vehicle Out

Whether a weighbridge is associated with a specific gantry or standalone, the Exit weight must always be performed manually.

To record an Exit weight, select **TAS** → **Weight Vehicle Out** from the menu bar. The screen shown in figure below will open.

Terminalvision_Weighbridge_Configuration_&_User_Guide_EN_030

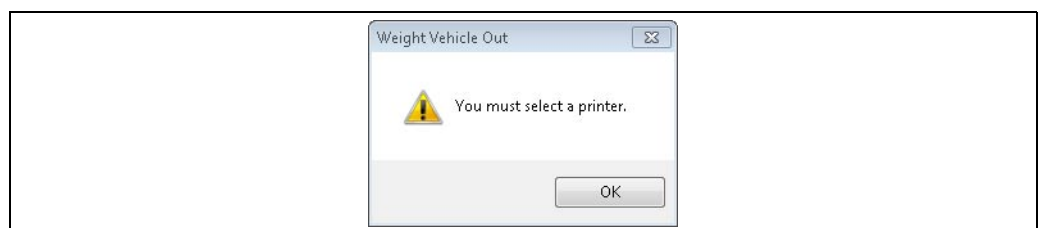
To automatically commit the transaction to Bookstock, tick the **Commit Transaction** box. To automatically print the **BOL** and **Weigh Ticket**, tick the relevant boxes.

If a default printer has been set for the **BOL** and **Weigh Ticket** they will be shown. The printers can be changed prior to taking the exit weight if required by selecting an alternative from the list of available printers.

The other default information for all other fields must be set to correspond with the transaction.

Click **OK** to record the Exit weight.

If the **BOL** and/or **Ticket Printer** checkbox is ticked, these will be spooled to the selected printer. If a printer is ticked but no printer is selected an error message (see figure below) is displayed.



Terminalvision_Weighbridge_Configuration_&_User_Guide_EN_031

If the weigh out action fails then an error message (see figure below) will be displayed.



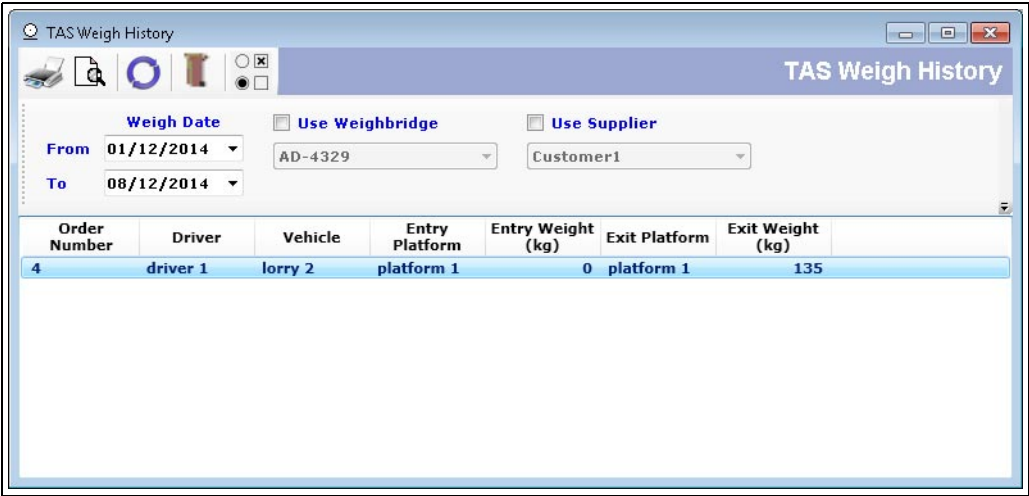
Terminalvision_Weighbridge_Configuration_&_User_Guide_EN_032

Click **OK** to return to the weigh in screen, and either retry the action or cancel.
If the action succeeds then a confirmation message (see figure below) will be displayed with the weight.



Terminalvision_Weighbridge_Configuration_&_User_Guide_EN_033

Click **Yes** to accept the weight and create the weigh out record or **No** to return to the weigh out screen, and either retry the action or cancel.
The Exit weight will now be stored for viewing in the **TAS Weigh History** window as shown in figure below.



Terminalvision_Weighbridge_Configuration_&_User_Guide_EN_034

9.1 Using a Manual Weight Value

If there is a communications issue with the weighbridge, a weigh out record may still be created by ticking the **Manual Weight** box during the weigh out action as shown in figure below. A value should be entered in the field next to the tick box.

Terminalvision_Weighbridge_Configuration_& User_Guide_EN_035

When the **OK** button is clicked the weigh out record will use the manual value entered as shown in figure below.

Order Number	Driver	Vehicle	Entry Platform	Entry Weight (kg)	Entry Weighing Code	Exit Platform	Exit Weight (kg)	Exit Weighing Code
4	driver 1	lorry 2	platform 1	12,000	Manual_Input	platform 1	54,000	Manual_Input

Terminalvision_Weighbridge_Configuration_& User_Guide_EN_036

The **Weighing Code** for the weigh out record will indicate that the value is a manual input.

9.2 Weighbridge Transactions

When a weigh out action is carried out, the weights will be logged to a transaction using the following rules:

- If a transaction already exists for the vehicle, then the entry and exit weights are automatically added to that transaction. The transaction must have occurred after weigh in record was taken.
- If there is no existing transaction then a new transaction will be created. The **Products** section of the **Weigh Out** screen will be enabled and should be entered with the correct details.

10 Committing the Transaction to Bookstock

10.1 Automatic Commit

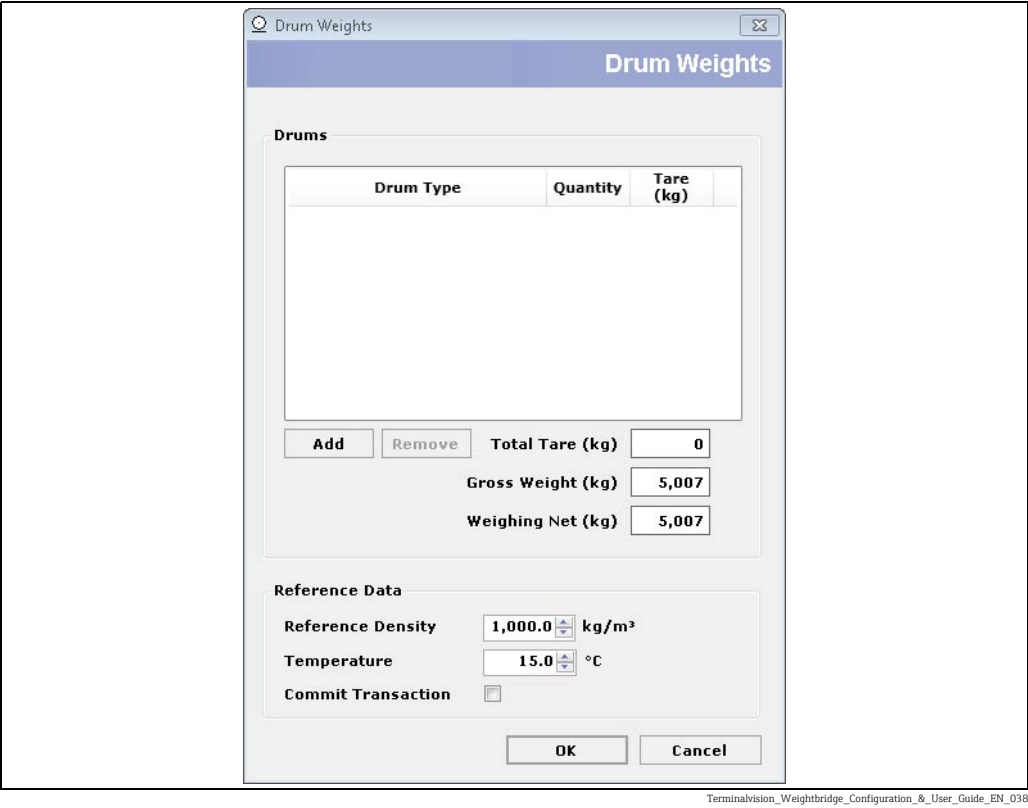
A transaction may be committed to bookstock at the time the exit weight is taken by ticking the option in the **Weight Vehicle Out** screen. Once a transaction has been committed it cannot be changed in any way so if this option is selected a warning (see figure below) is displayed when **OK** is clicked.



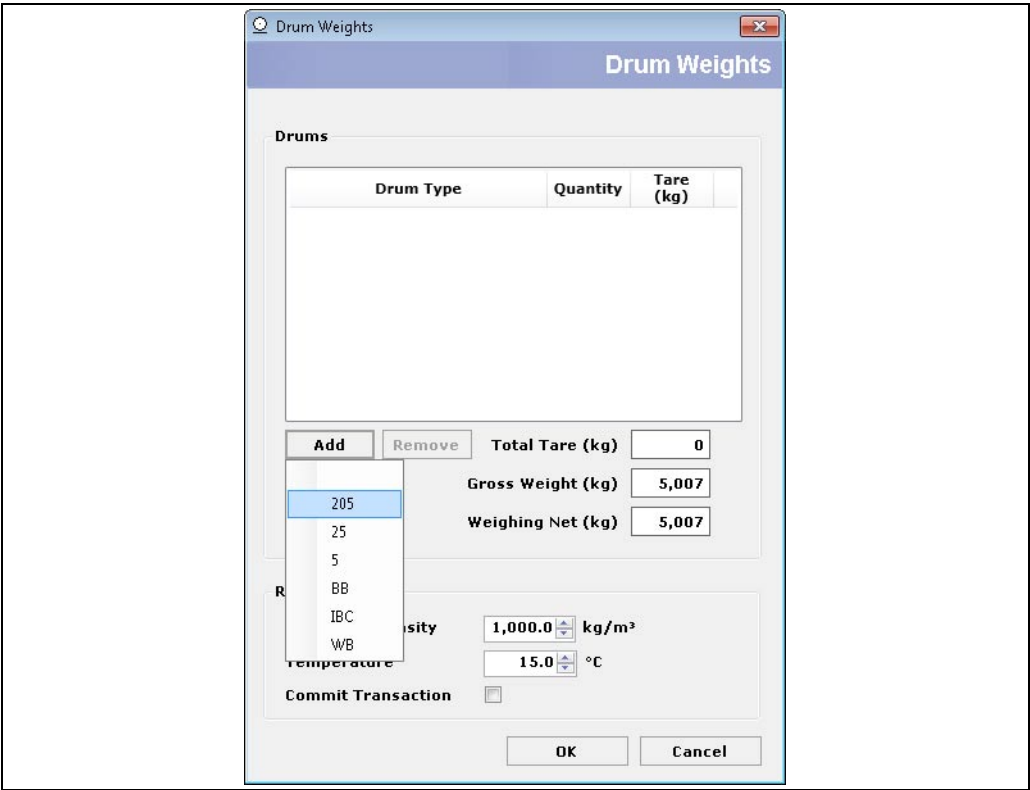
If no container information is required select **Yes** to continue otherwise select **No** and untick the **Commit Transaction** box in the **Weight Vehicle Out** screen. If the transaction is not automatically committed, it must be manually committed at a later time.

10.2 Manual Commit

To manually commit a transaction double click the entry in the **TAS Weigh History** screen. The window shown in figure below will appear.

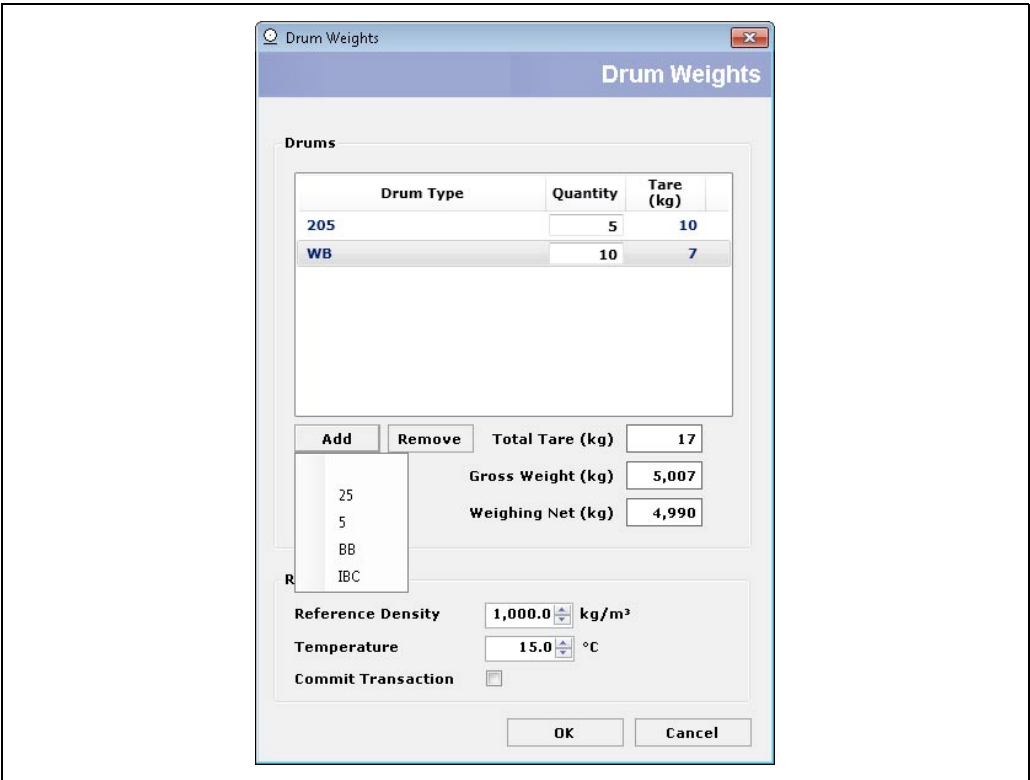


Any containers included in the exit weight can now be added so that their **Tare** weight may be accounted for.
To add a container click on the **Add** button as shown in figure below and select from the drop down menu.



Terminalvision_Weightbridge_Configuration_&_User_Guide_EN_039

Once selected the container type will be moved to the **Drums** pane and the quantity can be entered. The total **Tare** and **Net** weight will be calculated automatically (see figure below).



Terminalvision_Weightbridge_Configuration_&_User_Guide_EN_040

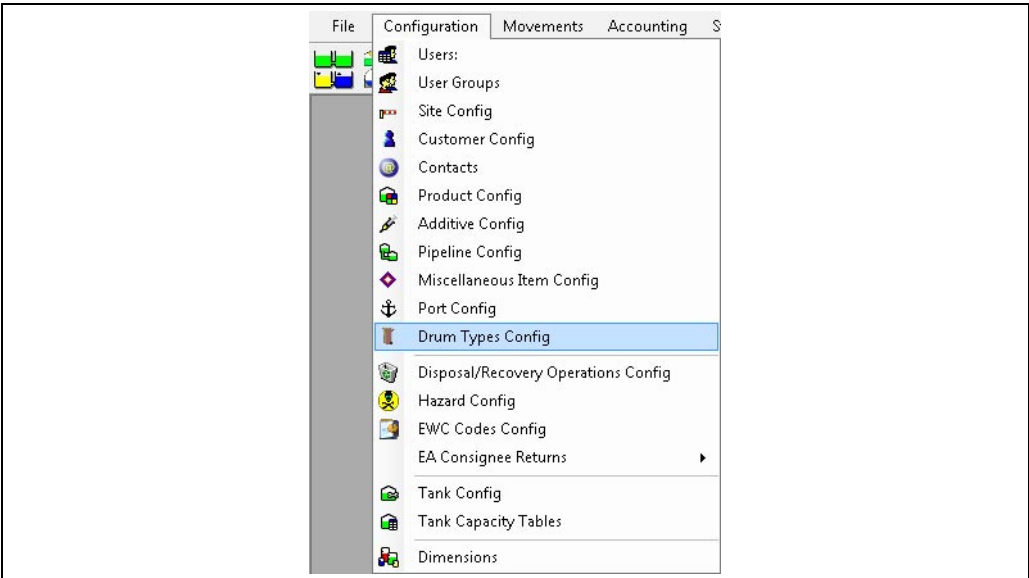
To save any changes without committing the transaction click **OK**, the transaction may be opened again for further editing at any time.
When ready to commit the transaction, tick the **Commit Transaction** box and click **OK**. A warning (see figure below) will appear.



Terminalvision_Weightbridge_Configuration_&_User_Guide_EN_041

Select **Yes** to continue otherwise select **No** and untick the **Commit Transaction** box in the **Drum Weights** screen.

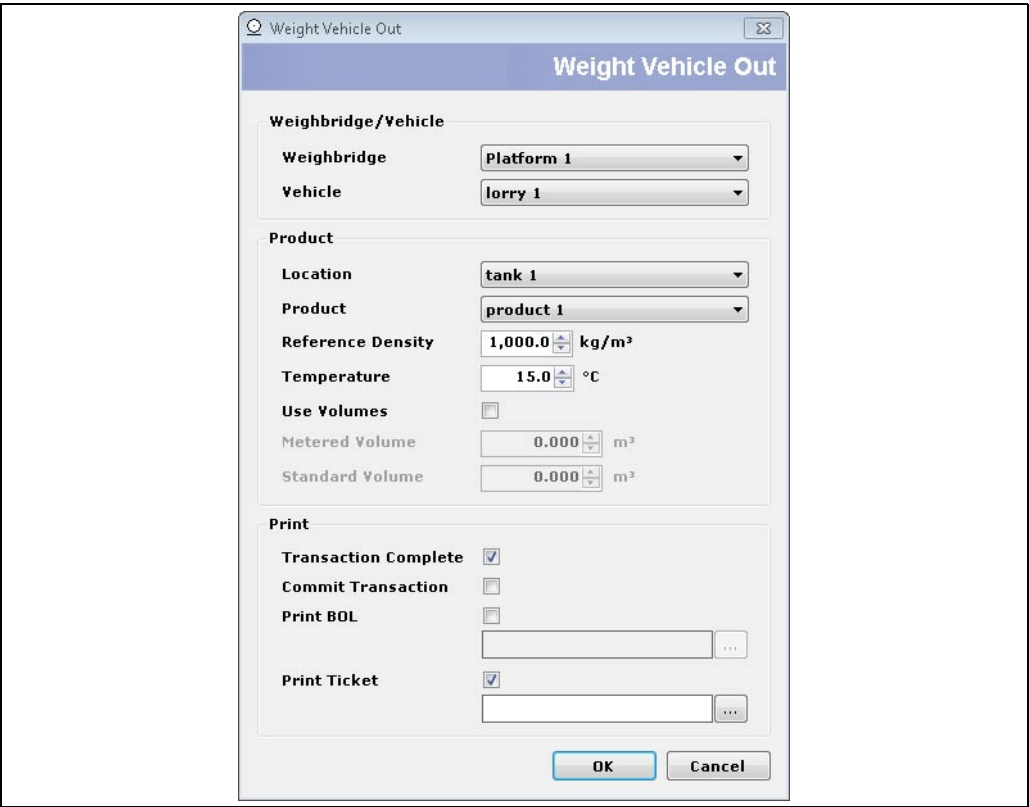
 Container types are configured using **Drum Types Config** under the **Configuration** menu (see figure below).



Terminalvision_Weightbridge_Configuration_&_User_Guide_EN_042

11 Weighing Multiple Products

Where a transaction contains movement of multiple products, it may be desirable to produce an itemised BOL and individual weigh tickets for each product. This is achieved by taking an initial Entry weight and then taking an Exit weight after each loading/unloading. In order to keep the transaction open between Exit weighings the **Transaction Complete** box in the **Weight Vehicle Out** screen must be UNTICKED. Whilst this box is not ticked, **Print BOL** and **Commit Transaction** are disabled, however weigh tickets may be printed for each batch (see figure below).




Terminalvision_Weighbridge_Configuration_& User_Guide_EN_043

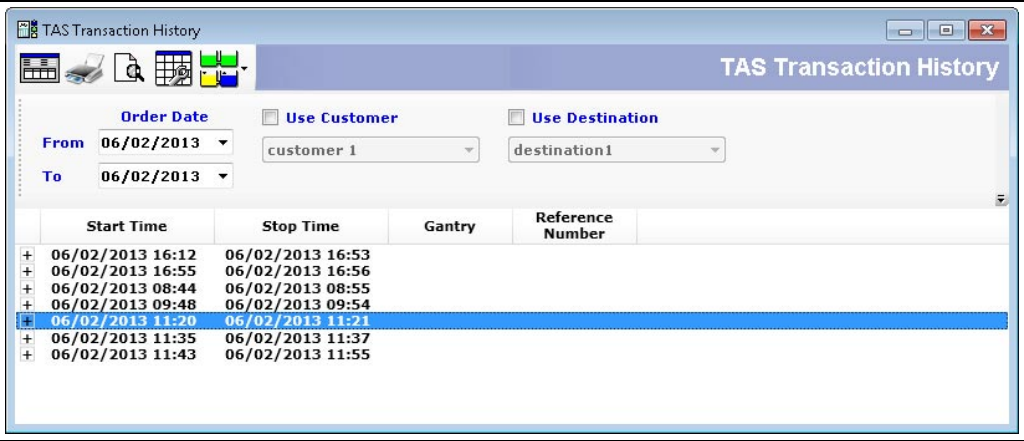
When the final batch has been loaded/unloaded, tick the **Transaction Complete** box. **Print BOL** and **Commit Transaction** are enabled and the transaction will be closed when the final weight is taken (OK clicked).

12 Printing BOL and Weigh Ticket

BOL and Weigh tickets can be printed at any time after a transaction is complete.

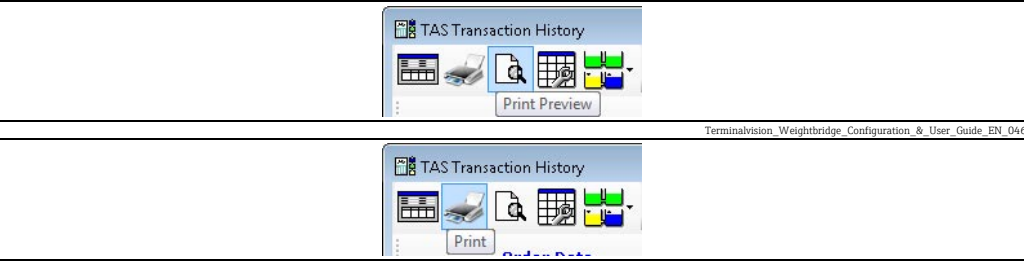
12.1 Printing BOLs

In order to print a BOL for a transaction, open **TAS** → **TAS Transaction History** and highlight the required transaction. The transaction details can be expanded by clicking  to the left of the transaction (see figure below).



Terminalvision_Weighbridge_Configuration_&_User_Guide_EN_045

The BOL may be previewed by clicking **Print Preview** or printed by clicking **Print**.

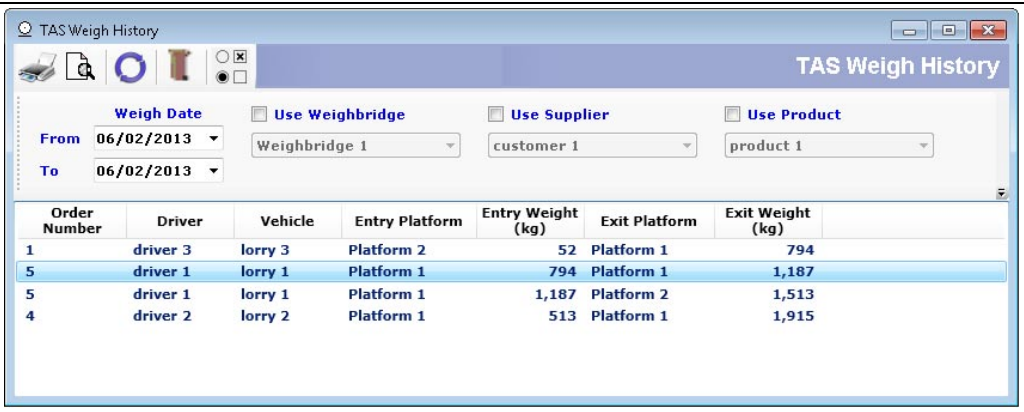


Terminalvision_Weighbridge_Configuration_&_User_Guide_EN_046

Terminalvision_Weighbridge_Configuration_&_User_Guide_EN_047

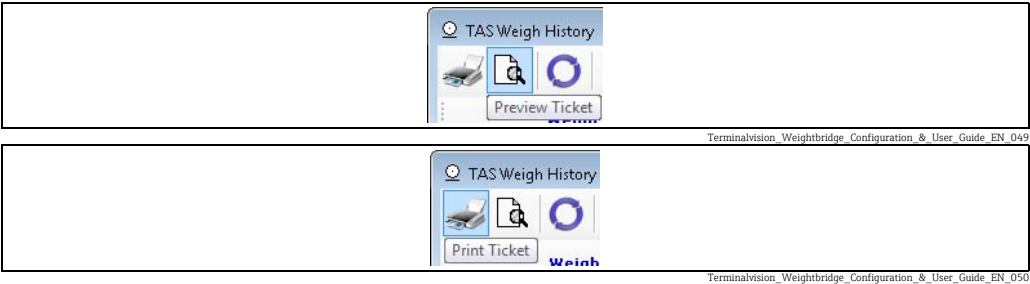
12.2 Printing Weigh Tickets

In order to print a Weigh Ticket for a transaction, open **TAS** → **TAS Weigh History** and highlight the required transaction (see figure below).

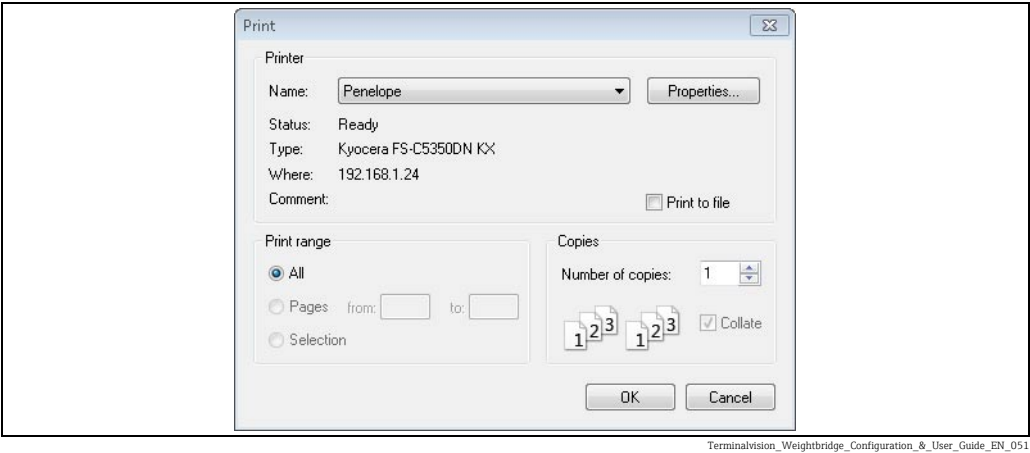


Terminalvision_Weighbridge_Configuration_&_User_Guide_EN_048

The Weigh Ticket may be previewed by clicking **Preview Ticket** or printed by clicking **Print Ticket**.



When printing BOLs and/or Weigh Tickets, the following window will open. Select a printer from the drop down list and click **OK**.



Index

A

Adding A Single Column Header	19
Adding All Column Headers	19
Adding An Entire Group	19
Adding Column Headers	19
Application	8
Automatic Commit	28

B

Basic safety instructions	8
BOL Printer	17

C

Committing the Transaction to Bookstock	28
---	----

D

Default Density	17
Default Temperature	17
Designated use	8
Device documentation	7
Document function	4
Document infomation	4
Documentation	5

E

Endress+Hauser Operations App	7
-------------------------------------	---

G

Gantry	17
--------------	----

I

Identification	6
Introduction	10

M

Manual Commit	28
---------------------	----

N

Nameplate	6
-----------------	---

O

Operating instructions	5
Operational safety	8
Order code and device version	7
Order Creation	11

P

Printing BOL and Weigh Ticket	32
Printing BOL's	32
Printing Weigh Ticket's	32
Product identification	6
Product safety	9

R

Registered trademarks	7
Removing a Single Column Header	21
Removing All Column Headers	21
Removing Column Headers	21
Requirements for the personel	8

T

Tank	17
Target audience for this manual	4
Ticket Printer	16

U

Using a Manual Weight Value	24, 27
-----------------------------------	--------

V

Version history	4
-----------------------	---

W

W@M Device Viewer	7
Weigh History	18
Weighbridge Configuration	15
Weighbridge Operation	11
Weighbridge Options	16
Weighbridge Transactions	27
Weighing a Vehicle In	12, 22
Weighing a Vehicle Out	13, 25
Weighing Multiple Products	31
Workplace safety	8



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