

Operating Instructions

The computer display terminal in the Tractor is a D-Log MTC-6. The important functions are....

1. On / Off switch, switching on will start the Windows XP operating system.
2. Increases Brightness
3. Reduces Brightness
4. **ScrapMan Lite Icon – double-click to start program**
5. Windows “Start” menu – use this to access shut down procedure.



The computer is connected to the ignition circuit and if the ignition is turned OFF, the computer will commence an automatic shut-down sequence with a 5 minute count-down; this can be adjusted and is explained in the D-Log Manual.

Otherwise, the normal way to shut down would be to press the Start key twice (5) and follow the on-screen “Shut Down” instructions

Status Screen



Trailer 1
Network OK
Supply 1 12.12V
Supply 2 Not Connected
Weight on trailer 105.51T
Total mat'l weight 049.72T
Current mat'l weight 049.72T

The **Status Screen** is the normal display except when loading material to the basket. It shows a summary of the information transmitted from the trailers on site as defined below;

Trailer No. This is the “heading” for the data listed; it is also the “button” to select a trailer for loading. N.B There is only one trailer; its identity is Trailer 1

Network This shows the network status **Green = OK**, **Red = Not OK** and requiring attention.

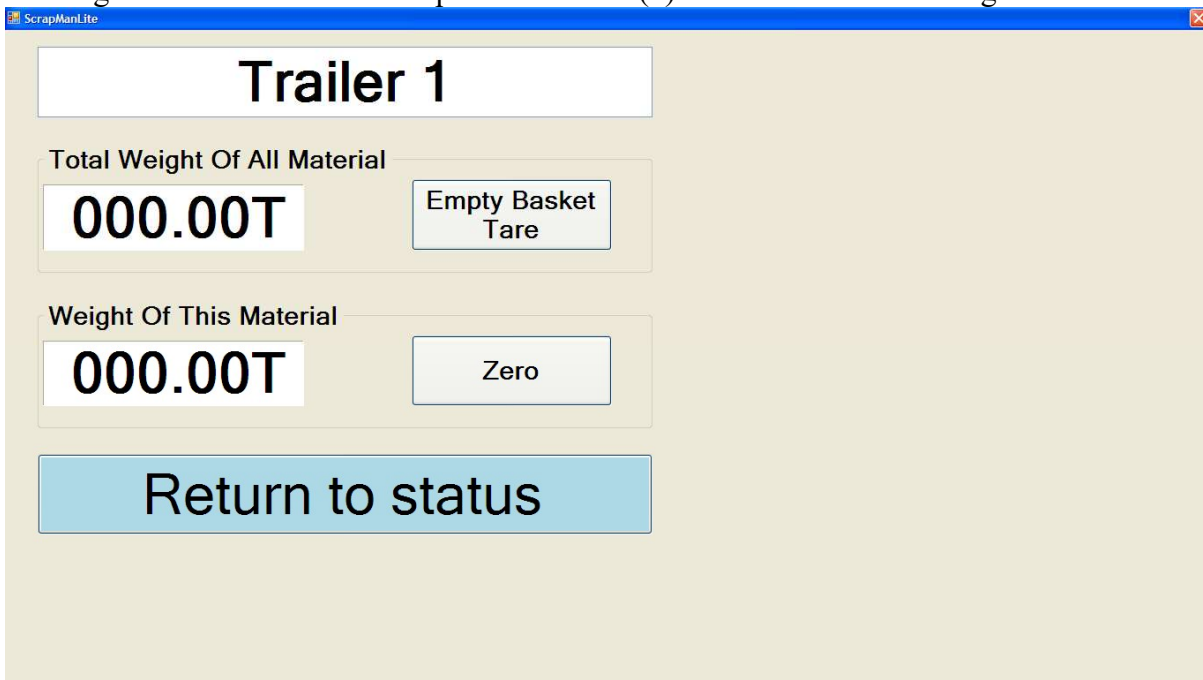
Supply 1 Shows voltage on the supply; RED demands URGENT attention (Supply 2, not used)

Weight on Trailer This is the **TOTAL WEIGHT** supported by the weighing system and includes the weighing platform, the Car Frame, the Basket and any detritus on the platform. This field is NOT available for any form of editing or user adjustment. It is shown to provide backstop data in the event of someone carrying out an *Empty basket Tare* action by accident and “losing” the NET weight.

Total Mat'l weight This is the total weight of material loaded SINCE *Empty Bucket Tare* was last pressed. See *Empty Basket Tare* on **Weighing Screen**.

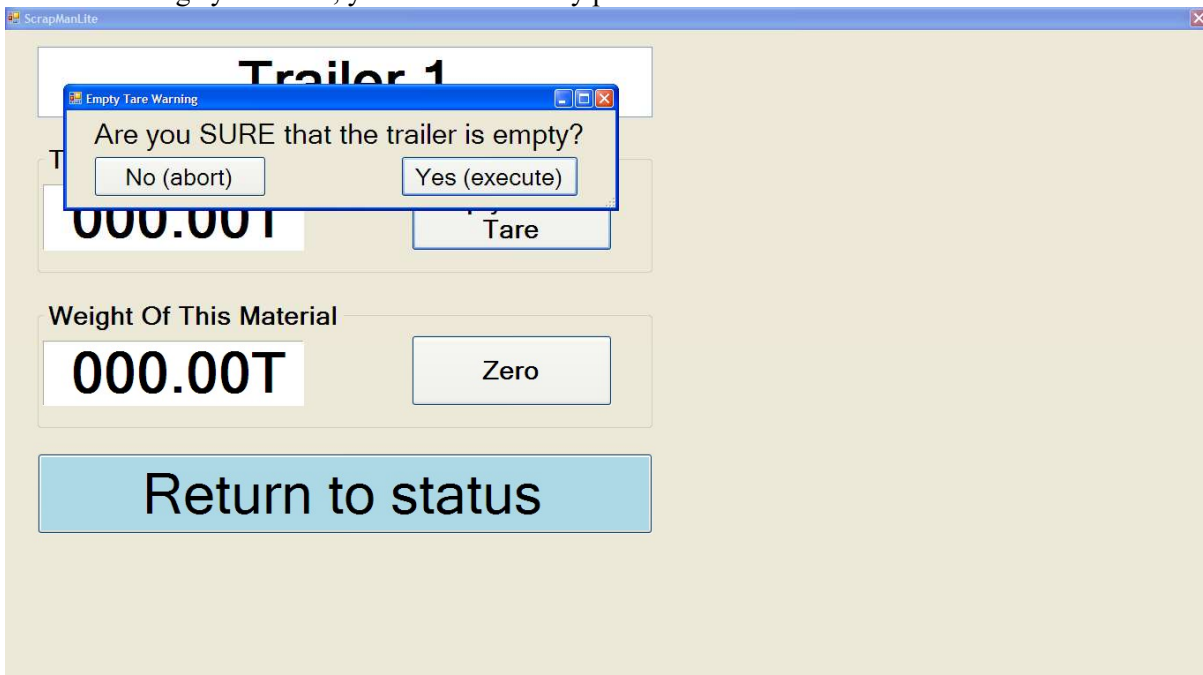
Current Mat'l weight This is the weight of material added since **Zero** was last pressed

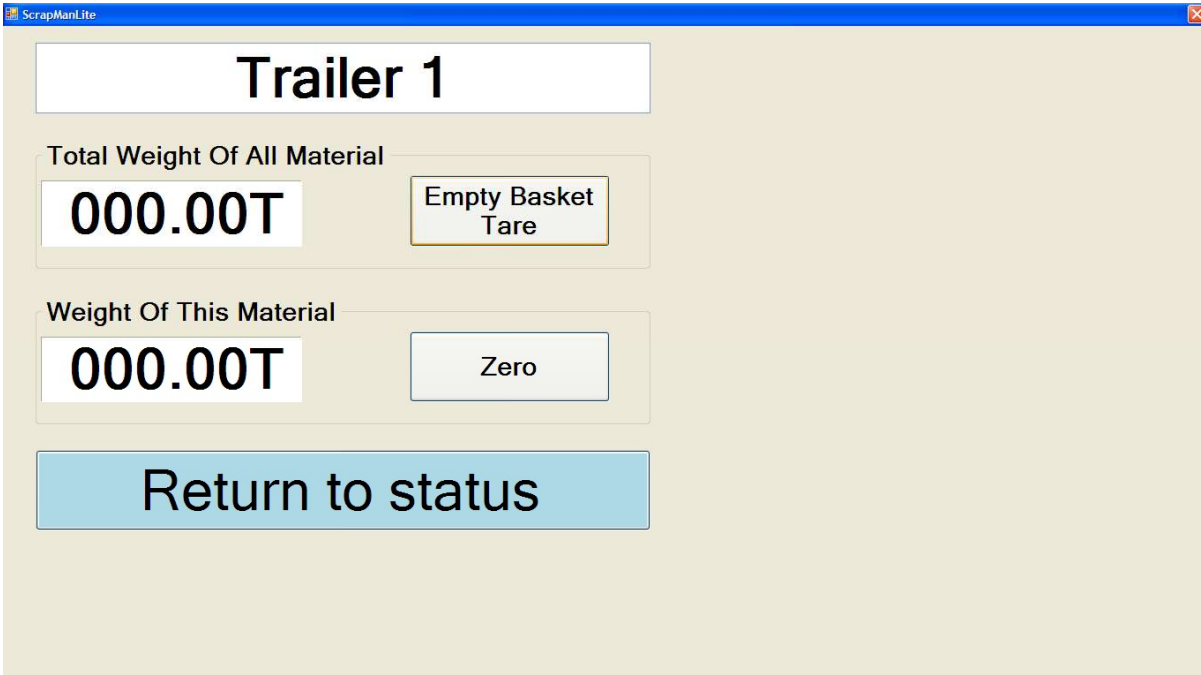
Pressing the Trailer 1 bar at the top of this screen (1) will move to the loading screen.



It is important to understand the significance of the word TARE: - *an allowance made for the weight of the packaging in determining the net weight of goods* (Oxford English Dictionary); in this case, discounting the weight of the empty bucket, the Car Frame and the weighing platform.

When a new, empty basket is put on the Car Frame it is important to do an “Empty Basket Tare”. This will clear the “total weight of all material” down to zero and be ready for loading. There is a warning to give you chance to change your mind; you would normally press “Yes”.





ScrapMan Lite

Trailer 1

Total Weight Of All Material

000.00T

Empty Basket Tare

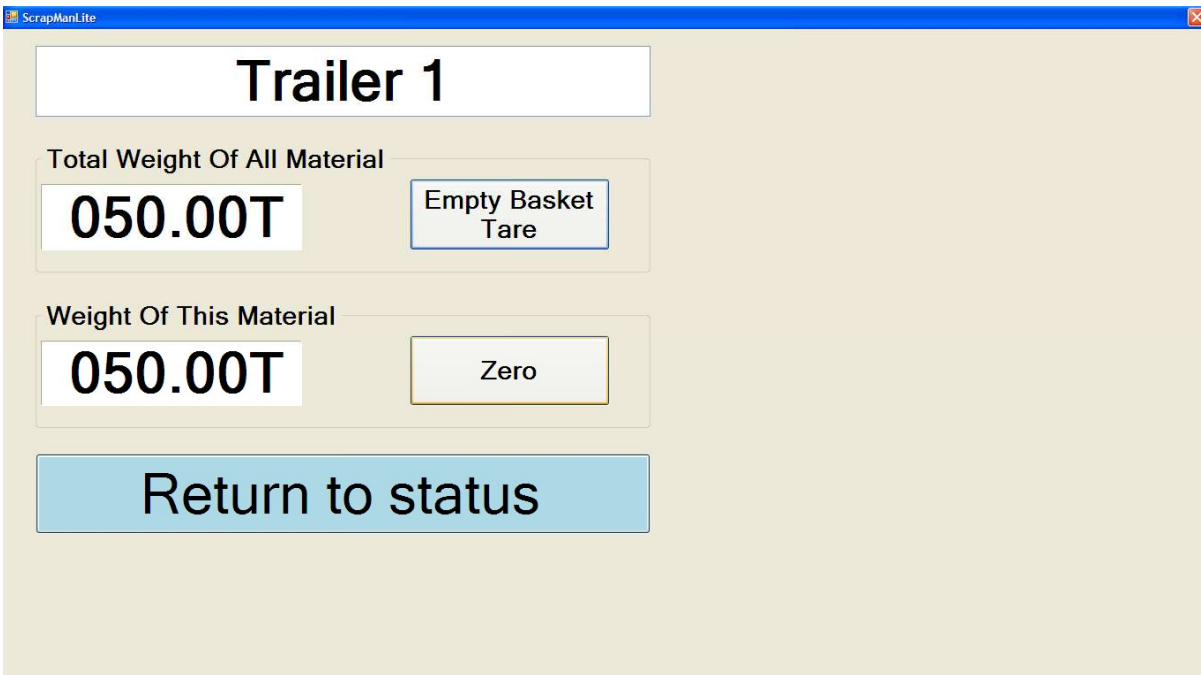
Weight Of This Material

000.00T

Zero

Return to status

Screen BEFORE any material loaded



ScrapMan Lite

Trailer 1

Total Weight Of All Material

050.00T

Empty Basket Tare

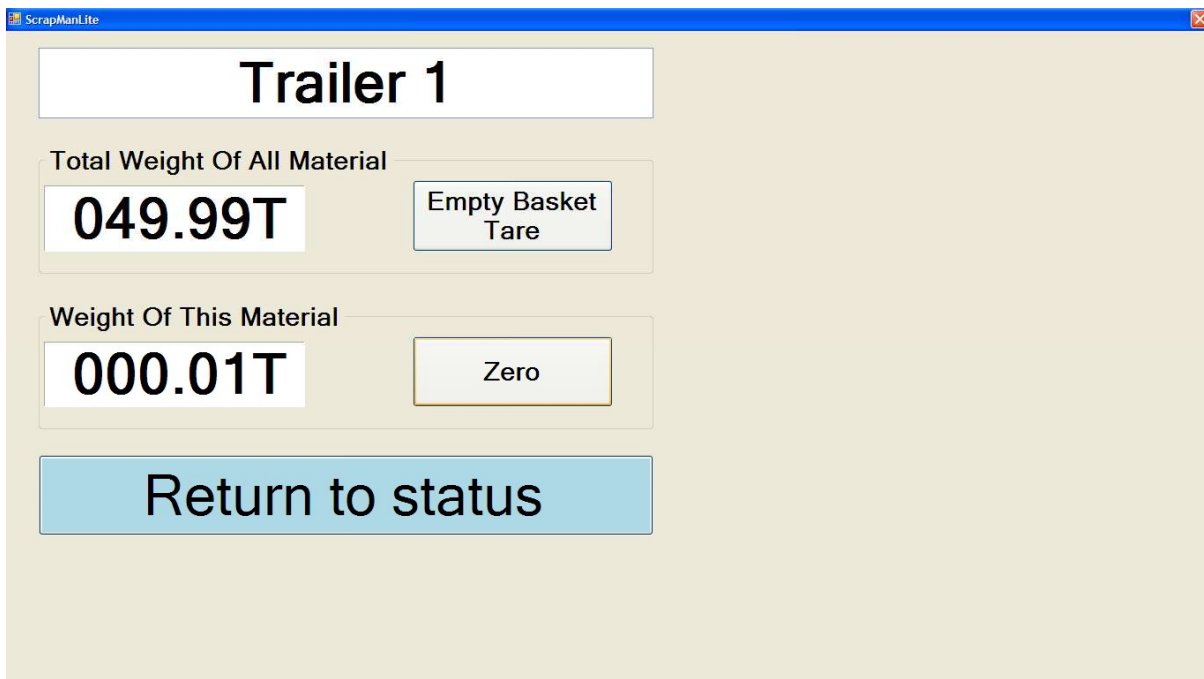
Weight Of This Material

050.00T

Zero

Return to status

Screen having loaded 50.0T of material. If 50T was the total requirement for that material, the zero button would be pressed now to show.....



ScrapMan Lite

Trailer 1

Total Weight Of All Material

049.99T

Empty Basket Tare

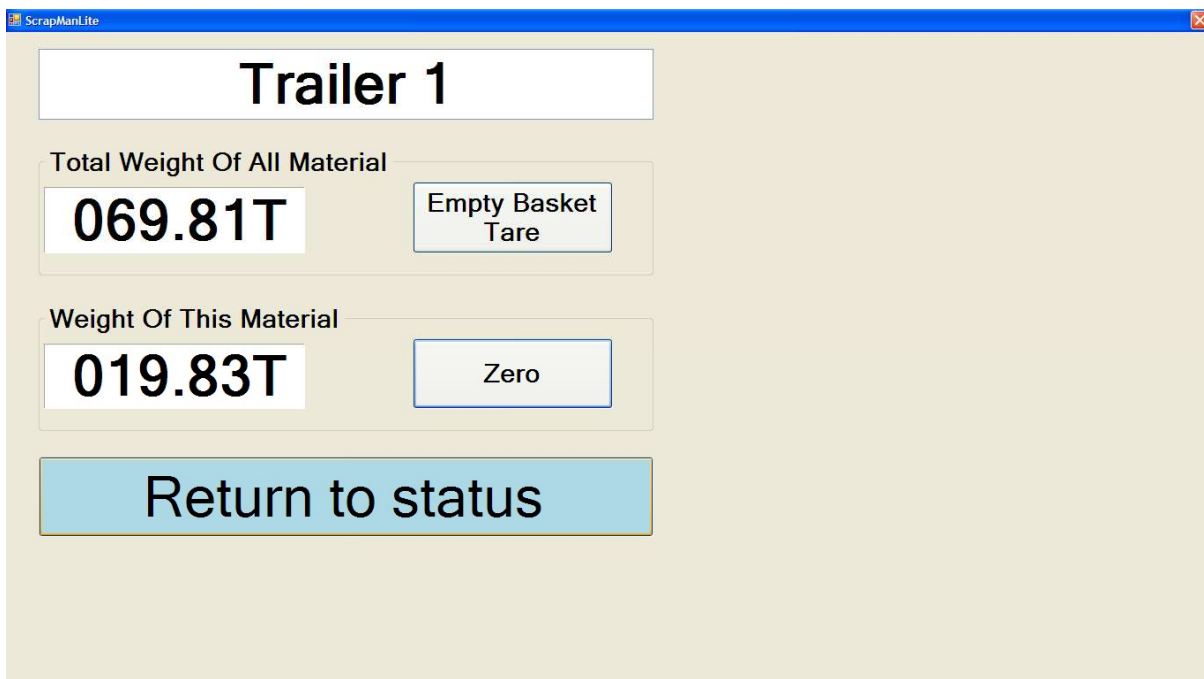
Weight Of This Material

000.01T

Zero

Return to status

This is now ready to load some more material and when the requirement has been satisfied, the zero button is pressed again for more, new material etc. etc.



ScrapMan Lite

Trailer 1

Total Weight Of All Material

069.81T

Empty Basket Tare

Weight Of This Material

019.83T

Zero

Return to status

In this case, a further 20T has been loaded to the basket making the Total Weight 70T

Normally loading would be done against a recipe list of material and required tonnage, it would be sensible to record the ACTUAL tonnage loaded next to the REQUIRED tonnage thus giving an accurate list of materials used.

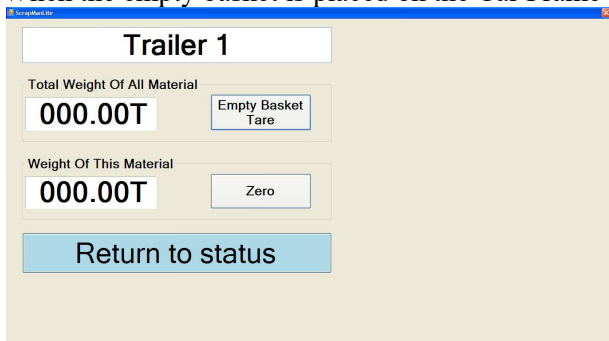
The system DOES NOT record any weights; IT IS UP TO THE DRIVER OR CRANE OPERATOR TO RECORD WEIGHTS

An example of a recipe with 5 items; the shaded area could be generated on Microsoft Excel and stored by “favorite” recipe for re-use and printing. The printed sheet given to crane drivers

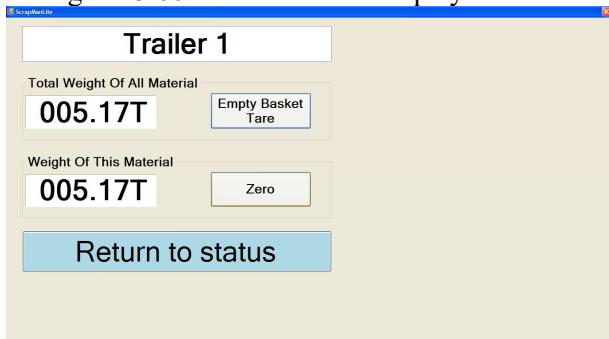
Recipe Number 123456				
Item	Material Description	Target Tonnage	Actual Tonnage	Notes
1	Turnings	5.00	5.17	
2	Scrap 18/80 Stainless	20.00	20.06	
3	Scrap Mild Steel	60.00	59.55	
4	Nickel	1.00	0.94	Pen Empty
5	Lime	2.00	2.06	Lime Low
6				
7				
8				
9				
10				
Totals		88.00	87.78	

Hand-Written Load Readings and notes

When the empty basket is placed on the Car Frame the *Empty Basket Tare* is pressed showing....



The first material *Turnings* is loaded until the *Weight Of This Material* is approx equal to the required tonnage of 5.00 Tonnes and the display will show....



The Zero button is pressed showing....

Scrapman Lite

Trailer 1

Total Weight Of All Material

005.16T

Empty Basket Tare

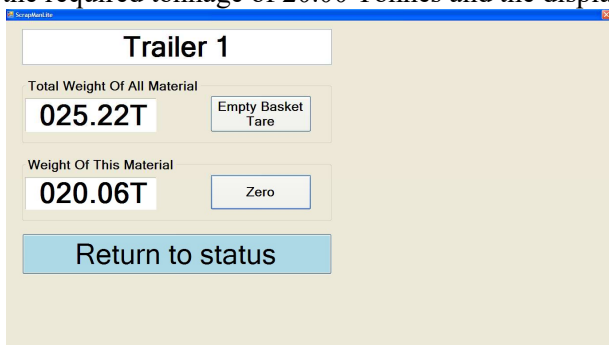
Weight Of This Material

000.00T

Zero

Return to status

The second material **Scrap 18/80 Stainless** is loaded until the **Weight Of This Material** is approx equal to the required tonnage of 20.00 Tonnes and the display will show....

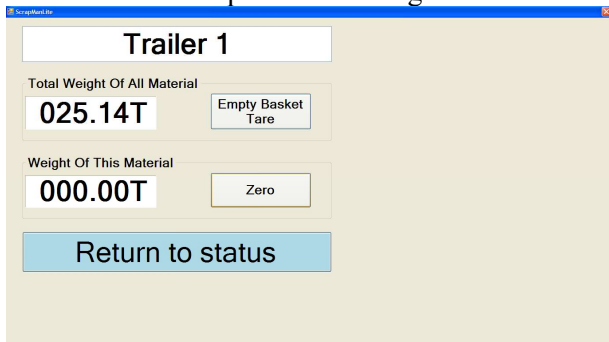


Trailer 1

Total Weight Of All Material
025.22T

Weight Of This Material
020.06T

The Zero button is pressed showing....

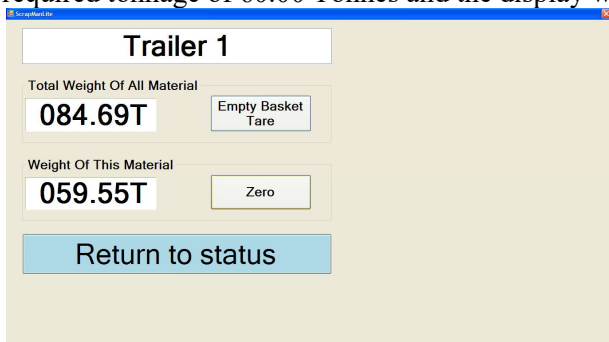


Trailer 1

Total Weight Of All Material
025.14T

Weight Of This Material
000.00T

The third material **Scrap Mild Steel** is loaded until the **Weight Of This Material** is approx equal to the required tonnage of 60.00 Tonnes and the display will show....

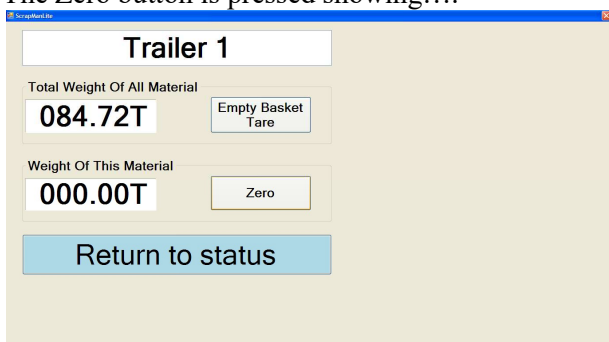


Trailer 1

Total Weight Of All Material
084.69T

Weight Of This Material
059.55T

The Zero button is pressed showing....

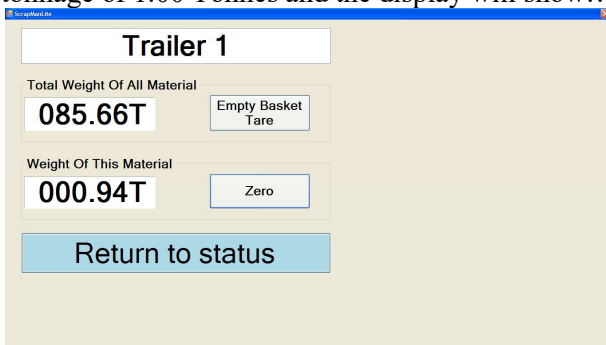


Trailer 1

Total Weight Of All Material
084.72T

Weight Of This Material
000.00T

The Fourth material **Nickel** is loaded until the **Weight Of This Material** is approx equal to the required tonnage of 1.00 Tonnes and the display will show....



Trailer 1

Total Weight Of All Material
085.66T

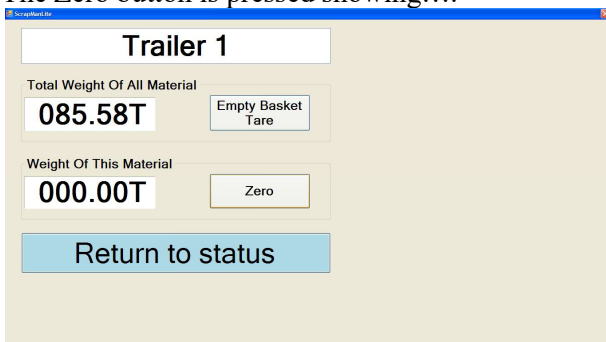
Empty Basket Tare

Weight Of This Material
000.94T

Zero

Return to status

The Zero button is pressed showing....



Trailer 1

Total Weight Of All Material
085.58T

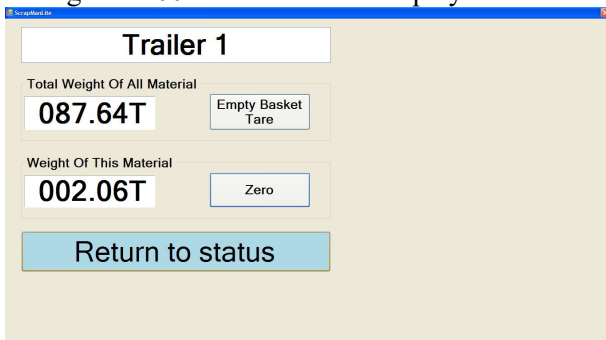
Empty Basket Tare

Weight Of This Material
000.00T

Zero

Return to status

The Fifth (Final) material **Lime** is loaded until the **Weight Of This Material** is approx equal to the required tonnage of 2.00 Tonnes and the display will show....



Trailer 1

Total Weight Of All Material
087.64T

Empty Basket Tare

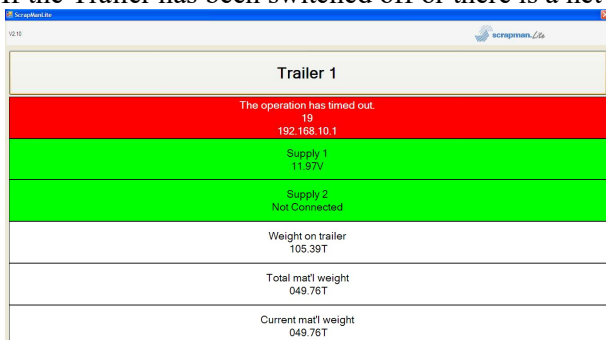
Weight Of This Material
002.06T

Zero

Return to status

Once the basket has been removed, emptied and put back on the Car Frame the whole cycle can repeat again.

If the Trailer has been switched off or there is a network problem the screen will look like.....



Trailer 1

The operation has timed out.
19
192.168.10.1

Supply 1
11.97V

Supply 2
Not Connected

Weight on trailer
105.39T

Total mat'l weight
049.76T

Current mat'l weight
049.76T

Tractor Factory Settings for WiFi

WLAN connection type: AdHoc
WLAN Security: None
SSID: MINT

From Network Properties

Static IP Address: 192.168.10.2
SubnetMask: 255.255.255.0

Using Internet Explorer from the Tractor....

Launch Internet Explorer

In the task bar at the top, left hand corner of the screen press the down cursor until you see.....

<http://192.168.10.1:5050/>

this will access the set up and calibration functions – see Trailer manual for details.

