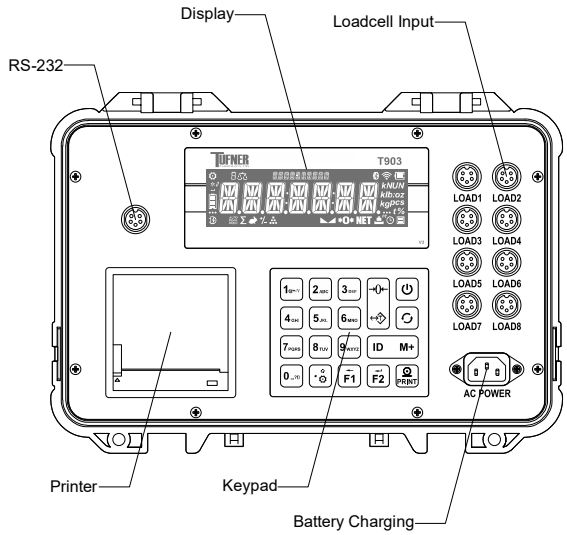
T903 Portable Weight Indicator
Quick Start

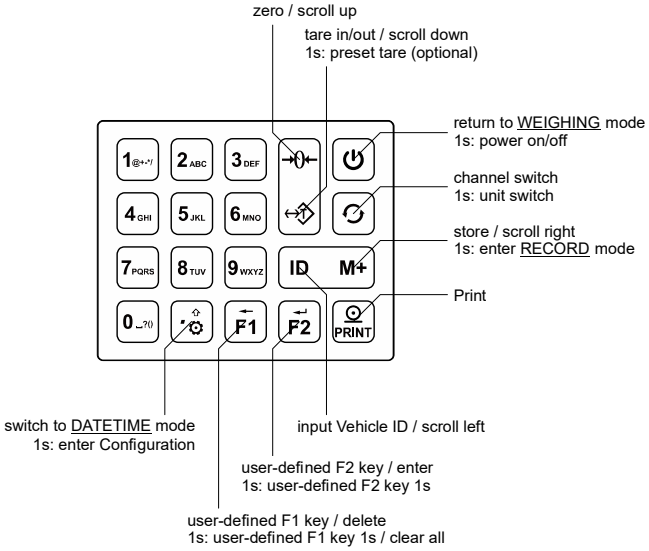
1 Top Panel



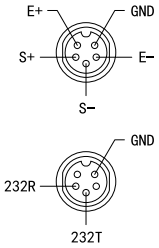
2 Display

Section	Display Area
Prompt	
Message	
Unit	kNUN klb oz kgpcs t%
Weighing Status	NET

3 Keypad



4 Interface



E-: Loadcell Negative Excitation
E+: Loadcell Positive Excitation
S-: Loadcell Negative Signal
S+: Loadcell Positive Signal
GND: Loadcell Ground

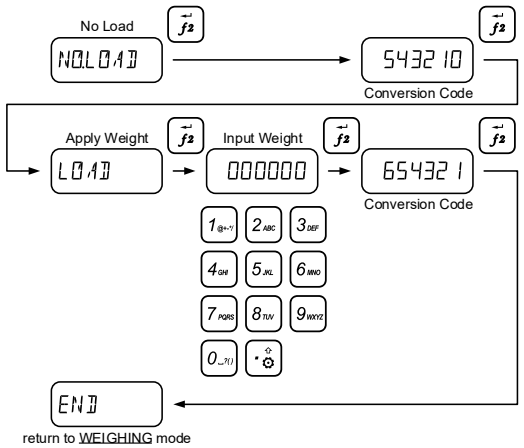
232T: RS-232 Transmit
232R: RS-232 Receive
GND: RS-232 Ground

5 Calibration

5.1 Calibration Access

In WEIGHING mode

Press [·⊙] 1s to enter menu. USER shows.
Press [→0←] / [→T←] to scroll up / down to Calibration. CAL shows.
Press [F2] to enter Password mode. ----- shows.
Press [1] [2] [3] [4] [5] [6] [7] [8] [9] [0] to input password value.
Press [F2] to confirm and enter Calibration.
Press [→0←] / [→T←] to scroll up / down to Calibration types, for example, CHALL.
Press [F2] to enter.



5.2 Zero Calibration

When NOLOAD shows, remove load from corresponding channels of the scale, make the each channel empty (without any load).

Press [F2] to view the conversion code.
Wait until the conversion code is settled down.
Press [F2] to perform zero calibration.

5.3 Weight Calibration

When LOAD shows, apply the test weight on corresponding channels of the scale.

Press [F2] to enter NUMBER INPUT mode.
Press [1] [2] [3] [4] [5] [6] [7] [8] [9] [0] [·⊙] to input total value of alll the load applied.

> The numerical position of decimal point is versatile and easy for user to input floating value in very wide range. For example, to input 150, 150.000, 150.00, 150.0, are all acceptable.

Press [F2] to confirm and view the conversion code.
Wait until the conversion code is settled down.
Press [F2] to finish Calibration, and return to WEIGHING mode.

6 Operation

6.1 Input Vehicle ID

In WEIGHING mode

Press [ID] to enter ALPHANUMBERIC INPUT mode.

In ALPHANUMBERIC INPUT mode

> Prompt VEHICLE and symbol ↵ shows, waiting for user to input the Vehicle ID.

Press [1] [2] [3] [4] [5] [6] [7] [8] [9] [0] to input desired character.

> The input a~z in lowercase are automatically changed to its uppercase letter.

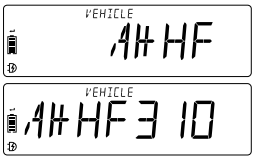
The input character blinks 2 times before it is selected.

> If the blinking character is the desired one to input, wait until it stops blinking, the character is selected.
> If the blinking character is not the desired one, keep pressing the button to scroll between all the available characters of the button.
> If a new button is pressed, while the previous blinking character is still blinking, the blinking character will stop blinking immediately.

Press [F1] to delete the current (rightmost) character.
Press [F1] 1s to clear all the characters.

For example, to input the Vehicle ID "A#HF310",

1) quickly press the buttons in sequence, [2] [2] [1] [1] [4] [4] [4] [3] [3] [3] [3],



2) wait until "F" stops blinking,

3) quickly press [3] [1] [0],
then message AXHF3 10 shows.

6.2 Axle Sum Weighing

The Axle Sum Weighing application enables the indicator to enter dedicated Axle Sum mode, so as to sum up the weight of multiple axles of a vehicle, one axle by one each time, when a vehicle drives through a scale.

6.2.1 Enable Axle Sum

> If the Axle Sum is enabled, Channel 1 & 2 are forced to be enabled and the rest channels are forced to be disabled.

In WEIGHING mode

Press [·0] 1s to enter Configuration. USER shows.
Press [→0←] / [→T←] to scroll to Axle Configuration. AXLE shows.
Press [F2] to enter Axle Configuration. AXLE.SUM shows.
Press [F2] to enter Axle Sum parameter.
Press [→0←] / [→T←] to scroll the selection to EN.
Press [F2] to confirm the selection.
Press [⏻] to return to WEIGHING mode.

6.2.2 Assign Axle Set Function

In WEIGHING mode

Press [·0] 1s to enter Configuration. USER shows.
Press [F2] to enter User Configuation. OFF.TIM shows.
Press [→0←] / [→T←] to scroll to (for example) User-defined Key 1. F1KEY shows.
Press [F2] to enter User-defined F1 Key parameter.
Press [→0←] / [→T←] to select AXLE.SET function.
Press [F2] to confirm the selection.
Press [⏻] to return to WEIGHING mode.

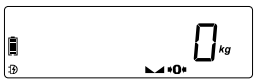
6.2.3 Perform Axle Sum Weighing

In WEIGHING mode

Step 1 Zero Scale

Ensure the indicator reads zero before the vehicle drives onto the scale.

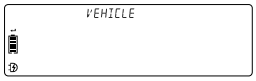
Press [→0←] to zero the scale, if needed.
Symbol •0• shows, indicating load is within +/-0.25e.



Step 2 Input Vehicle ID

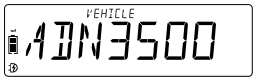
Press [ID] to enter ALPHANUMERIC INPUT mode, if needed.

> Prompt VEHICLE and symbol ↵ shows, waiting for user to input the Vehicle ID.



In ALPHANUMBERIC INPUT mode

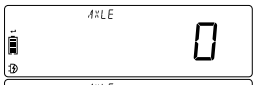
Press [1] [2] [3] [4] [5] [6] [7] [8] [9] [0] to input the Vehicle ID with up to 7 characters.
Press [F2] to confirm the input and return to WEIGHING mode.



Step 3 Set the Number of Axle

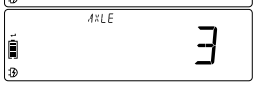
Press (for example) [F1] to enter Axle Set.

> Prompt AXLE and symbol ↵ shows, waiting for user to input the number of axle.



Press [2] [3] [4] [5] [6] to input the number of target axle, 3 (for example).

> Valid number of axle is from 2 to 6.



Press [F2] to confirm the input.

> If number is 0, 1, or exceeds 6, message ERROR shows, and the number of axle will be set as undefined.

Step 4 Sum Up Axle Weight

> Prompt 0/3 AXLES shows, indicating no axle's weight is stored.
> The weight reading now is the weight of the 1st axle.

Wait until the vehicle's 1st axle stands on the scale without motion.

Press [↻] to view each channel of the channel 1 & 2 pair, if needed.
Press [M+] to store the weight of the 1st axle, or press [PRINT] to store and print the weight of that at the same time.

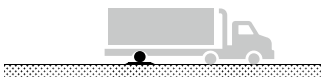
> Prompt 1/3 AXLES shows, indicating 1 axle's weight is stored.
> The weight reading now is the weight of the 2nd axle.

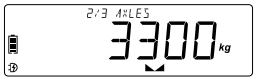
Wait until the vehicle's 2nd axle stands on the scale without motion.

Press [↻] to view each channel of the channel 1 & 2 pair, if needed.
Press [M+] to store the weight of the 2nd axle, or press [PRINT] to store and print the weight of that at the same time.

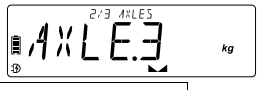
> Prompt 2/3 AXLES shows, indicating 2 axles' weight are stored.
> The weight reading now is the weight of the 2nd axle.

Wait until the vehicle's 3rd axle stands on the scale without motion.





Press [↻] to view each channel of the channel 1 & 2 pair, if needed.
Press [M+] to store the weight of the 2nd axle, or press [PRINT] to store and print the weight of that at the same time.



> Prompt 3/3 TOTAL shows, indicating 3 axles' weight are stored.
> The weight reading now is fixed with the total weight of the all axles.

Wait until the vehicle leaves the scale.

Press [↻] to view each channel of the channel 1 & 2 pair, if needed.
Press [⏻] to finish the axle sum weighing.

> A new axle sum weighing process can be re-started.

6.3 Weighing Record Management

6.3.1 Store

In WEIGHING mode

Press [M+] to store current weight record.
Message STORE shows, indicating the weight reading is stored.

6.3.2 View Record

In WEIGHING mode

Press [M+] 1s to enter RECORD mode.
The display Prompt section shows the record's serial no. 151 0151, for example.
In RECORD mode
Press [→0←] / [→T←] to scroll up / down to previous/next record.
Press [↻] to scroll between record's gross weight, net weight, tare weight, date, time, and vehicle id (if truck application is enabled).
Press [⏻] to exit and return to WEIGHING mode.

6.3.3 View Total

In RECORD mode
Press [M+] 1s to enter TOTAL mode.
The display Prompt section shows the number of totals, e.g. TOTAL 18.
Symbol Σ shows, indicating it is in TOTAL mode.
In TOTAL mode
Press [↻] to switch the weight type of the total weight between total net weight, total gross weight, total tare weight.
Press [⏻] to exit and return to WEIGHING mode.
Symbol Σ hides, indicating it is in WEIGHING mode.

6.3.4 Delete Record

In RECORD mode
Press [F1] to delete the Record.
Prompt DELETE? and symbol ↕ shows, waiting for user to select YES / NO.
Press [→0←] / [→T←] to scroll up / down the selection.
Press [F2] to confirm.

6.3.5 Clear All Records

In RECORD mode
Press [F1] 1s to clear all the Records.
Prompt CLEARALL? and symbol ↕ shows, waiting for user to select YES / NO.
Press [→0←] / [→T←] to scroll up / down the selection.
Press [F2] to confirm.

6.3.6 Re-print Bill

In RECORD mode
Press [PRINT] to re-print current record.
Message PRINT shows, indicating the weight bill is re-printed out.