

HYBRID WEIGHT INDICATOR



Reference Manual

Getting started

Turn on your machine then the user will see the version of firmware.



And after that



The machine will show the value of weighting that refer to the stability of the weight then press [1] or [2] for **weight in – weight out**.

Saving weighting in

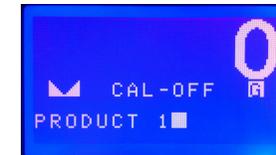
Press [1] then input truck number. The user can input maximum 8 characters for truck number



And press [Enter] then identified company code (The user can input maximum 3 characters)



Press [Enter] then identified product code



And press [Enter] again for accept the value of weighting.



The user can record the value of weighting when the weighting is stable and the computer will show "DATA SAVED".

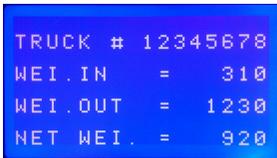
Saving weighting out



Press [2], the computer will show the list of truck No. then the user can press the truck No. that the user would like to weight out. In case of the user has a many truck that one page cannot show on the monitor, the user can select the truck list from next page by press [↓]



Press [Enter] for accept the weighting when it stable.



When finish weighting, the machine will show net weight from weighting in and weighting out.

Press [Enter] when the user would like to cut the weight and calculate for the prize. Press [Esc] for cancel.



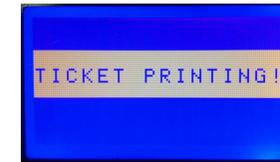
Saving the weighting value that the user would like to cut then press [Enter] for show the next page.



Saving the prize calculate method that the user wants then press [Enter] for show the next page.



Saving the deduct money method that the user wants then press [Enter] for prints the ticket.



The machine always print out when save the weighting out completely.

Command table

Press [MENU] on keypads, the computer will show "Main menu". The machine has three parts main menu, the user can select the others menu by pressing [↓] on keypads. The main menu as the picture below.



Press [↓] to next main manu **part 2**



And press [↓] to next main manu **part 3**



Press [Esc] if the user would like to back.

PART 1 >>

Report Section

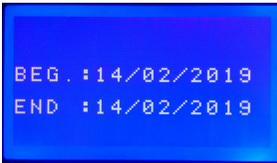
Press [1] form main menu, the reports has many for select the item that the user would like to print out.



Can press [↓] to choose the other reports.

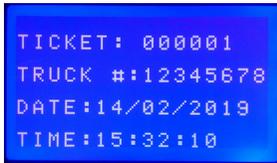


Press [1] Transaction when the user would like to use then identified the date of the document that the user would like to see.



Press [Enter] for printing out or press [ESC] for cancel.

Weighting data

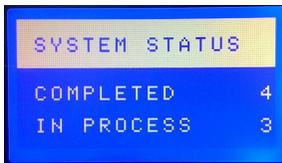


Press [2] form main menu the weighting data is the last record that the machine is saved. The user can select the other truck number by press [←] on keypads.

The user can edit and print weight ticket out by pressing [2]. Press [1] if the user would like to print the new one out or press [Enter] at the document that the user choose if the user would like to edit then press [Enter] again for finish and then the machine will show “Saved”. Press [1] if the user would like to print out. However the weight documents that have not weighting out yet, it cannot edit.

System status

Press [3] on main manu then the machine will show as below



Settings calendar & clock

The user can set date and time by pressing [4] “Clock & Calendar” function and then press [Enter] for finish.



PART2 >>>

Delete Section

Press [1] form main manu part 2 , the delete section can device into four parts as below.



<< Delete data >>

Press [1] for deleting all weighting document

Press [2] for deleting document before of date do you need.

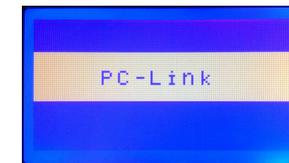
Press [3] for deleting all company code.

Press [4] for deleting all products code.

*****Be careful about deleting mode because it will delete the entire document. The user cannot take the document back.**

Link with PC Link

The user can transfer some code via signal cable or modem. The user can go directly to system section. Press [2] from main manu part 2, the machine will show the message (as the picture below) that mean waiting for connect PC-Link.



System Setting

Pressing [3] from main manu part 2 for entrance to system setting part that device into two groups. The first group can set all time that the user wants [F01-F22]. The second group can set when **Jumper Cal** is place in “ON” position [F23-F36]. The user can press the value volume in any function that the user wants then press [Enter] for the next function or press [↑] for the previous function.



Function Table

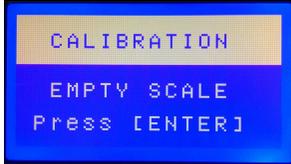
| Fn | List | Default |
|-----|---|---------|
| F00 | TICKET No. (Ticket No. that will save next time is 1 - 999999) | 1 |
| F01 | ADDRESS No. (0 - 255) | 0 |
| F02 | MEMORY BANK (0-1) | 0 |
| F03 | PRINTER TYPE (0,2:Parallel 3:Serial) | 2 |
| F04 | LANGAUGE 0:Agriculture (KU42), 1: Thai Industrial Standards Institute(TISI17) | 0 |
| F05 | LINE FEED (The length between the above vowel and alphabet equal 0-255) | 20 |
| F06 | PAGE LENGTH The length of paper for print the ticket out equal 1= 11", 2 = 5.5" , 3 = 3.66" | 2 |
| F07 | PRINT IN Auto command for print the weighting in ticket (0:not print out, 1: print out) | 0 |
| F08 | PRINT OUT Auto command for print the weighting out ticket (0:not print out, 1: print out) | 1 |
| F09 | LINE / PAGE Page Length equal 0 - 255 | 35 |
| F10 | WEIGHT DEC. Decimal point of weight. 0: fixed point number, 1: floating point number | 0 |
| F11 | AMOUNT DEC. Decimal point of prize. 0: fixed point number, 1: floating point number | 0 |
| F12 | PRICE CALC. Calculate pricing method (0: kg, 1:ton, 2:round) | 0 |
| F13 | ADJ. W CALC. Deducting weight method (0 : defining value, 1 : ton, 2 : deducting percent, 3 : calculate by percentage) | 0 |
| F14 | ADJ. M CALC. Deducting money method 0 : Defining value 1 : Net weight per ton 2 : Total weight per ton 3 : Deducting per Kg. from net weight | 0 |

| | | |
|-----|--|---------|
| | 4 : Deducting per Kg. from total weight 5 : Deducting per percentage from the prize | |
| F15 | COMP. ENTRY Company code question (0:Not ask, 1:weighting in, 2:weighting out, 3: weighting in & weighting out) | 1 |
| F16 | PROD. ENTRY Goods code question (0: Not ask, 1:weighting in, 2:weighting out, 3: weighting in & weighting out) | 1 |
| F17 | PRICE ENTRY Prize question (0: Not ask, 1:weighting in, 2:weighting out, 3: weighting in & weighting out) | 2 |
| F18 | ADJ. W ENTRY Deducting weight question (0: Not ask, 1:weighting in, 2:weighting out, 3: weighting in & weighting out) | 2 |
| F19 | ADJ. M ENTRY Deducting money question (0: Not ask, 1:weighting in, 2:weighting out, 3: weighting in & weighting out) | 2 |
| F20 | SIGNAL OUT Communication signal (0-2:not send the signal, 3-255:send the signal continually) | 19 |
| F21 | BAUD RATE 1:1200, 2:2400, 3:4800, 4:9600 | 1 |
| F22 | PARITY CHECK 0: 8,N,1 1:7,E,1 | 1 |
| F23 | TARE WEIGHT 0: not tare 1: tare weight | 0 |
| F24 | POWER ON ZERO 0: not setting zero, 1:setting zero | 1 * |
| F25 | STABLE LEVEL Stable Weight (0-255) | 1 * |
| F26 | DECIMAL (0-4) | 0 * |
| F27 | DIVISION (1,2,5,10,20) | 10 * |
| F28 | AZM (Step) Keeping AZM zero value is between 1,2,5,10,20 | 2 * |
| F29 | ZERO LIMIT The percentage of weighting that can press Zero(0-100) | 2 * |
| F30 | FILTER LEVEL Rate of filter signal (0-99) | 8 * |
| F31 | SPEED LEVEL Speed to read the weight signal (0-4) | 4 * |
| F32 | SIGNAL GAIN Gain signal rate (0-4) | 0 * |
| F33 | CAPACITY Capacity for maximum weight (maximum rate is 99999) | 40000 * |

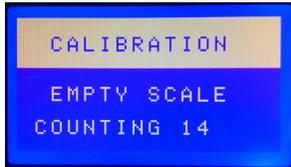
| | | |
|-----|-------------|-----------------------------------|
| F34 | SPAN WEIGHT | 2000 * |
| F35 | EMPTY ADC | - * |
| F36 | SPAN ADC | Signal value when use Span Signal |

Calibrate weighting

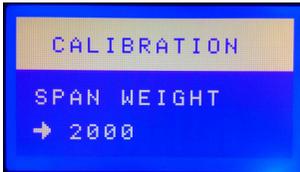
Pressing [4] from main manu part 2 for Calibrate that can device into three parts below



1) Let's weighting available then press [Enter] the machie counting down [20] to [0] for memorizes signal value at Empty scale position. The user can press [ESC] for skip to let's the machine memorize the Span signal.



2) Take the weight that the user define



3) Put on the weighting then press [Enter] the machie counting down [20] to [0] for memorize the Span Signal.



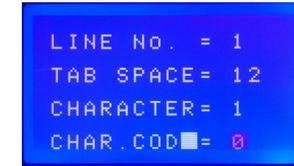
4) If the user complete parts 2 and 3, the machine will show “Data saved”



PART 3 >>>

Heading setting

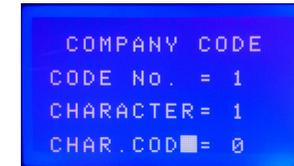
Press [1] from main manu part 3 for for set header. The user can set header maximum three line that the user would like to print out. The user has to use capital letters for the first line.



The machine will ask about the line and space that the user would like to define. If the user defines zero that mean the user would not like to type in the line. The description of the name the user can print out from “ASC-II TABLE” to add character code.

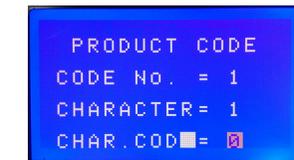
Setting company code

Press [2] for setting company code then types the code that the user wants. The user can define the number maximum 100 numbers of code, press [Enter] to add the character code for type the name of the company, the user can print out description from “ASC-II TABLE” to add character code. then press [Enter] again for save the code. Do follow above for adding other code. Press [Esc] for exit.



Setting product code

Press [3] for setting product code then types the code that the user wants. The user can define the number maximum 100 numbers of code, press [Enter] to add the character code for type the name of the products ,the user can print out description from “ASC-II TABLE” to add character code. then press [Enter] again for save the code. Do follow above for adding other code. Press [Esc] for exit.



Signal Value

Press [4] from main manu part 3 then select “ ADC Display” function for show the signal value that transfer from Loadcell. It's useful for measure the Loadcell include setting instrument.



Setting communication jumper

| JUMPER | SETTING | DESCRIPTION |
|--------|---------|--------------------------------------|
| TX2 | --- | COMM.PORT 2 TX Doesn't work. |
| | 1-2 | COMM.PORT 2 TX Separate to work. |
| | 2-3 | COMM.PORT 2 TX Work similar PORT 1 |
| RX2 | --- | COMM.PORT 2 RX Doesn't work. |
| | 1-2 | COMM.PORT 2 RX Separate to work. |
| | 2-3 | COMM.PORT 2 RX Work similar PORT 1 |
| RX | Off | Cannot use the RX receives COMM PORT |
| | On | Can use the RX receives COMM PORT |

Calculate for cutting weight

Define the deducting weight value =1 (deducting weight/ton by calculating from net weight)

For example

| | | | |
|----------------------------|---|----------------|-----------|
| Weighting in | = | 30000 | kg. |
| Weighting out | = | 10000 | kg. |
| Net weighting | = | 20000 | kg. |
| Deducting weight 5 kg./ton | = | $20000*5/1000$ | = 100 kg. |
| Total weighting | = | 19900 | kg. |

Define the deducting weight value =2 (deducting weight by percentage of Net weighting)

For example

| | | | |
|-----------------------------|---|---------------|-----------|
| Weighting in | = | 30000 | kg. |
| Weighting out | = | 10000 | kg. |
| Net weighting | = | 20000 | kg. |
| Deducting weight 4% per ton | = | $20000*4/100$ | = 800 kg. |
| Total weighting | = | 19200 | kg. |

Define the deducting weight value =3 (calculate the weighting for payment by using Net weighting). For

example

| | | | |
|--------------|---|-------|-----|
| Weighting in | = | 30000 | kg. |
|--------------|---|-------|-----|

| | | | |
|--------------------------------|---|----------------|-------------|
| Weighting out | = | 10000 | kg. |
| Net weighting | = | 20000 | kg. |
| Calculate 70% of the weighting | = | $20000*70/100$ | = 14000 kg. |
| The exclude weighting | = | $20000-14000$ | = 6000 kg. |

**This method use for the goods that have the humidity or adulterated thing

Define the deducting weight value = 0 (unit is kg.) For example

| | | | |
|------------------|---|-------|-----|
| Weighting in | = | 30000 | kg. |
| Weighting out | = | 10000 | kg. |
| Net weighting | = | 20000 | kg. |
| Deducting weight | = | 80 | kg. |
| Total weight | = | 19920 | kg. |

Calculate the money method

Define the calculate money method value =1 (unit is ton in calculate money per total weight process). For example

| | | | |
|--------------------|---|------------------|--------------|
| Net weighting | = | 20000 | kg. |
| Deducting weight | = | 1000 | kg. |
| Total weight | = | 19000 | kg. |
| Prize 500 Baht/ton | = | $19000*500/1000$ | = 95000 Baht |

Define the calculate money method value =2 (calculate by round). For example

| | | | |
|-----------------------|---|-------|------|
| Net weighting | = | 20000 | kg. |
| Deducting weight | = | 1000 | kg. |
| Total weight | = | 19000 | kg. |
| Prize 8000 Baht/round | = | 8000 | Baht |

3. Define the calculate money method value = 0 (unit is kg. in calculate money per total weight process).

For example

| | | | |
|--------------------|---|-------------|--------------|
| Net weighting | = | 20000 | kg. |
| Deducting weight | = | 1000 | kg. |
| Total weight | = | 19000 | kg. |
| Prize 4.5 Baht/kg. | = | $19000*4.5$ | = 85500 Baht |

Calculate deducting money method

Define the calculate money method value =1 (Deducting money from net weight per ton).

For example

Net weighting = 20000 kg.
Deducting weight = 1000 kg.
Total weight = 19000 kg.
Deducting 30 Baht/ton = $20000*30/1000$ = 600 Baht

Define the calculate money method value =2 (Deducting money from total weight per ton).

For example

Net weighting = 20000 kg.
Deducting weight = 1000 kg.
Total weight = 19000 kg.
Deducting 30 Baht/ton = $19000*30/1000$ = 570 Baht

Define the calculate money method value =3 (Deducting money from net weight per kg.)

For example

Net weighting = 20000 kg.
Deducting weight = 1000 kg.
Total weight = 19000 kg.
Deducting 2 Baht/kg. = $20000*2$ = 40000 Baht

Define the calculate money method value =4 (Deducting money from total weight per kg.)

For example

Net weighting = 20000 kg.
Deducting weight = 1000 kg.
Total weight = 19000 kg.
Deducting 2 Baht/kg. = $19000*2$ = 38000 Baht

Define the calculate money method value =5 (Deducting money by percentage from total prize)

For example

Net weighting = 20000 kg.

Deducting weight = 1000 kg.
Total weight = 19000 kg.
The prize is 400 Baht/ton = $19000*400/1000$ = 7600 Baht
Deducting 6% = $7600*6/100$ = 456 Baht

Define the calculate money method value = 0 (Deducting money from the definite prize). For example

Net weighting = 20000 kg.
Deducting weight = 1000 kg.
Total weight = 19000 kg.
Deducting 450 Baht = 400

