BDI-9611 Weighing data processor
User's manual

BDE™

Ver.20030402

CONTENTS

BDE

CHAPTER 1　General Introduction

1-1　Briefing

The purpose of designing **BDI-9611** weighing Data Processor is to edit weight for weighing indicator and printers. **BDI-9611** may edit the following data: The Vehicles' ID Number., Date and Time, Total Weight, Net Weight, Accumulated Weight, Tare Weight of the Vehicle, and the Summing-up of above mentioned categories. Through RS-232, **BDI-9611** may eventually print out in a Triplicate Format or other specific forms. BDI-9611 can also be connected to the large size display panel (Score boards).

Please contact us if services needed.
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Web site: http://www.bde.com.tw

1-2 Featrues

（1） Large Size LCD Display（240×64 Dot Matrix LCD Panel with EL and Automatic Backlite control）

（2） The Operation Menu and Function Setting is provided display in LCD Panel for easy operation . The password and lock function are Built-in for safety production .

（3） Interactive and Instructive Dialogue from LCD Panel provides a simple and comprehensive way for Operation Instruction and Function Setting .

（4） RS-232 Serial Input / Output Port .

（5） Print-Out Signal through Parallel Interface Port（Centronic Interface）to Printer for printing Various Specific reports or Weighing Ticket .

（6） The weighing Ticket can be suitable for a selection of Single, Duplicate, or Triplicate sheet. And other specific management data report specified By the customers' demand based on different category，such as：Customers' Name，Material Code，Operation Data, Tare Weight, Actual Weight of WT. OF LOADED TRUCK，etc.，besides，above mentioned management data can also be printed according to different sorting index .

（7） Available to connect to the weighing indicator and Remote indicator of most different brands .

（8） Equipped with Key Pad Lock preventing any unexpected mis-operation .

（9） 100 sets memory of Customers Code，100 sets of the Material Code，200 sets of Preset Tare Weight of WT. OF EMPTY TRUCK，200 sets for Unweighed EMPTY TRUCK，200 sets for Unweighed Truck and 1500 sets of weighed Truck，all those data can be reserved to correspondent memory address .

（10） Available to add the additional RS-232 and Centronic Interface as well as the Relay-Input / Output Control .（Detail function and specification can be refer to attached Optional Accessories Selection in "**1-3 / 4＞**"）

（11） The AC Power Supply Socket is provided for connecting additional weighing indicator .

1-3 Specifications Of The Integral System

1. General Specifications：

Power Supply for Operation	AC 110V or 220V ±10%
Operation Temperature	0℃ ~ 40℃
Operation Humidity	85% （non-condensing）
Over All Dimension	270 × 300 × 115 mm
Net Weight	3.21 Kg

2. The Specifications of Characters Display：

Display Area	240 × 64 Dot Matrix with EL Backlight
Input for vehicles' No.	8 characters or figures
Input for Customers' Code	8 characters or figures
Input for Material Code	8 characters or figures

3. Standard Accessories

    （1）RS-232 Input / Output Interface   ×   1 set

    （2）Centronic Parallel Interface and Printer Port   ×   1 set

    （3）Key Pad Lock Function   ×   1 set

    （4）AC Power Supply   ×   1 set

4. Optional Accessories：

    （1）Additional RS-232 Input / Output Interface   ×   1 set

    （2）Additional Centronic Parallel Printer Port   ×   1 set

    （3）Output / Input Joint Control Card   ×   1 set

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# CHAPTER 2   Installation And Function

2-1 Installation Guide

When installing and wire connecting on **BDI-9611**，please follow the points BELOW for preventing any abnormal situation occurred .

（1）Before wiring the Electric Power Supply，please make sure the input voltage is AC 110V or AC 220V .

（2）The Grounding Wire shall be properly connected .

（3）The Operation Temperature shall range within 0℃ ～ 40℃，please DO not install in any place of direct sun-light .

（4）The input power shall be AC 110V or AC 220V±10%，if the Power Supply is not stable or ANY interference signal exists，which may cause damages .Therefore，please utilize Electric Power Supply Stabilizer of adequate capacity .

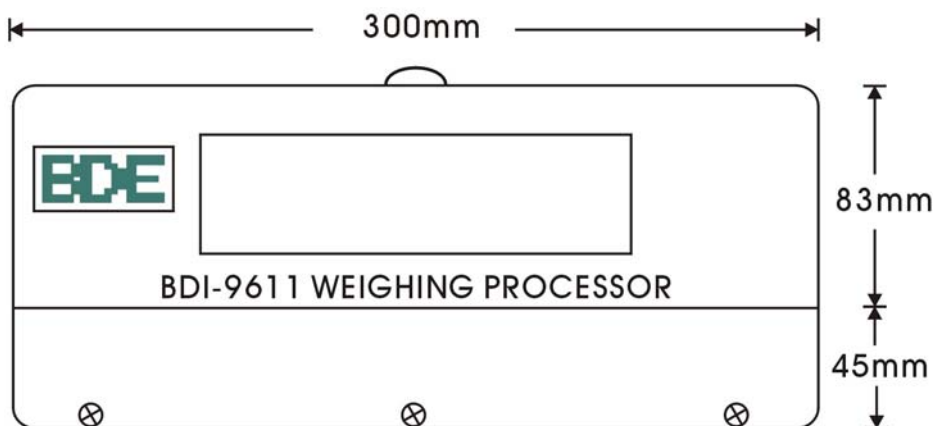＊ ＊When the AC Power Supply is AC 220V，please follow the wiring connection on Transformer as illustrated below .
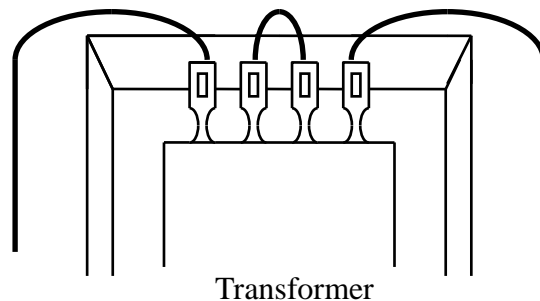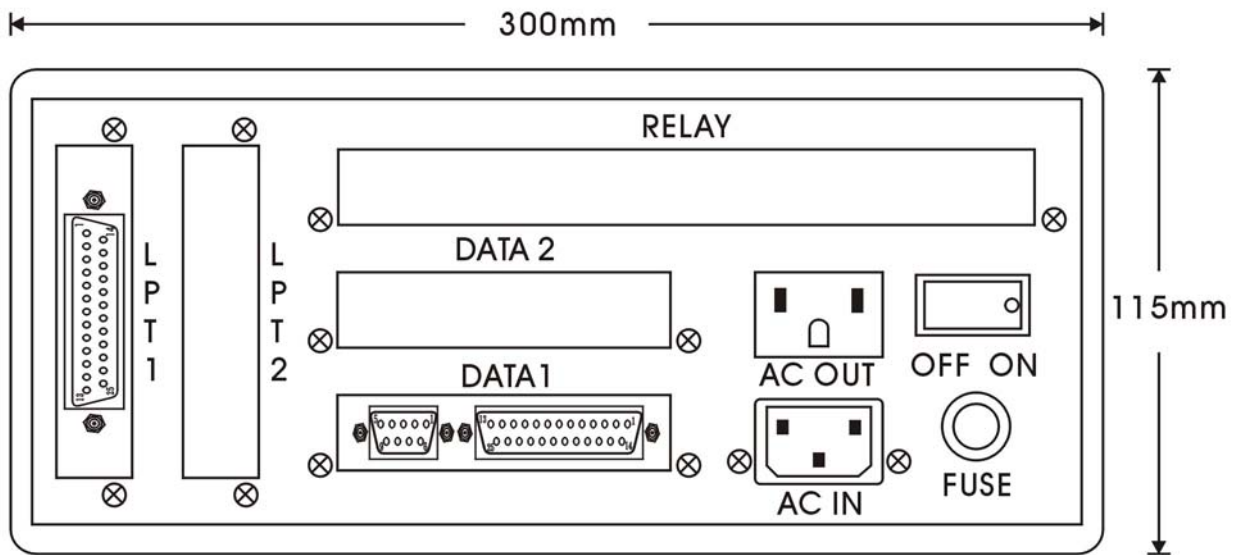
Transformer

＊ ＊When the AC Power Supply is AC 110V，please follow the wiring connection on Transformer as illustrated below .
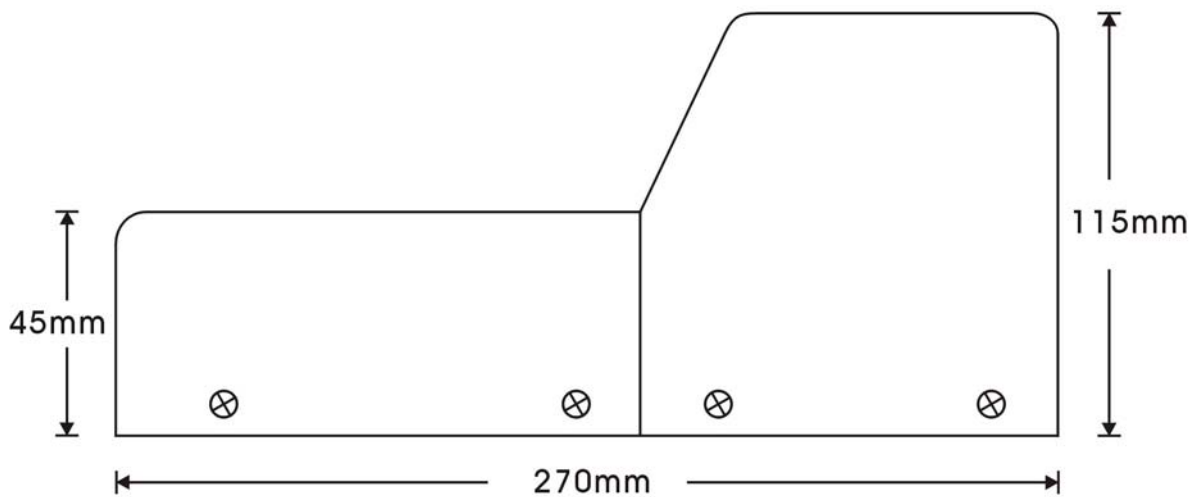
Transformer
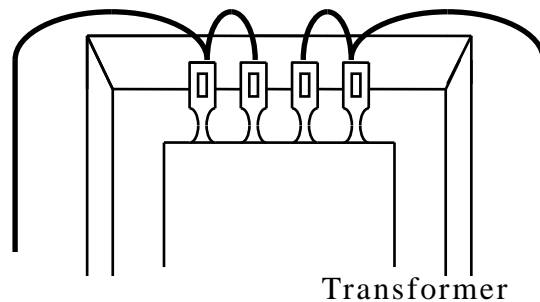
2-2 Front and Rear Panel Dimensions

300mm

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BDI-9611 WEIGHING PROCESSOR

83mm

45mm

3

∗ ∗ Rear View of BDI-9611

∗ ∗ Side View of BDI-9611


2-3 Brief Introduction on Operation Panel of BDI-9611

The Key Pads of the **BDI-9611**，classified into 3 categories .

1. English Alphabet Keys：**A ~ Z**
   Function：providing the English Alphabet Input .
2. Numerical Keys：**0 ~ 9**
   Function：providing the input of Arabic figure or values .
3. Function Keys：various function keys are briefly excerpted as following
   Fn / SET / EST / CLEAR / INQUIRE / ENTER / SHIFT / SPACE /
   ↑PAGE UP ↓PAGE DOWN / EMPTY WT / CUST. Code /
   MAT. Code / DATE / TIME，TICKET / REPORT

Details：

（1）" **SET** " key　：For setting requested function such as：Customer Code，Material
Code，Serial Number. etc .
（2）" **ESC** " key　：For shifting to the previous operation mode or terminates the current
mode.
（3）" **CLEAR** " key: The existing input data will be cleared .
（4）" **INQUIRE** " key：Reviewing the following information：
　　　　　　1.PRESET WEIGHT
　　　　　　2.FINISHED WEIGHT
　　　　　　3.WT. OF EMPTY TRUCKS WAITING RETURN
　　　　　　4.WT. OF WT. OF LOADED TRUCKS WAITING RETURN
　　　　　　5.CUSTOMER CODE
　　　　　　6.MATERIAL CODE
（5）" **ENTER** " key: Confirm Key-in.
（6）" **SHIFT** " key：Simultaneously press Shift and any Function key to select function.
Or, press both Shift key and Numeric key to input Symbols.
（7）" **SPACE** " key：Press for a blank space .
（8）" **↑PAGE UP ↓DOWN** " key：Searching weighing records and function mode .
（9）" **EMPTY WT** " key：Press for searching the Tare Weight of WT. OF EMPTY
TRUCK
（10）"**CUST. Code** " key：Press this key to input customers' Name or Code .
（11）" **MAT. Code** " key：Press this key to input Material's Code .
（12）" **DATE / TIME** " key：Press to set the date and time .
（13）" **TICKET / REPORT** " key：To print the weighing record promptly，or press
" **SHIFT** " and " **TICKET / REPORT** " key for printing
records as specified .

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＊＊The Brief Introduction on The Functions on The Rare Panel of BDI-9611
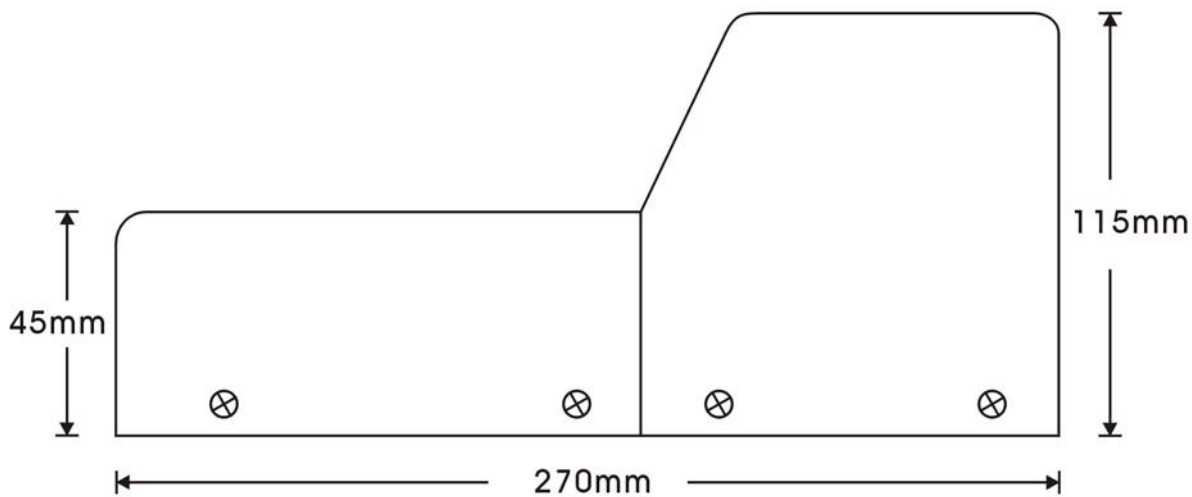
1.LPT 1　　：Printer Parallel Port
2.LPT 2　　：Printer Parallel Interface Port（OPTION）
3.RELAY　：Input / Output Relay Control Joint（OPTION）
4.COM 2　：Serial Input / Output Port for additional RS-232（OPTION）
5.COM 1　：Serial Input / Output Port for Standard RS-232
6.AC OUT：Supply AC 110V / AC 220V Electric Power to Display
7.AC IN　：Electric Power Input
8.Fuses
9.Power Supply Switch

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CHAPTER 3   General Introduction

3-1 Reinitializing The Initial Value

Unless accidental damage or the abnormal setting occured，a resetting shall be unnecessary .

Step 1st：please turn the power supply switch to the "**OFF** " position which
         located on the rare panel .
Step 2nd：please press the "**ESC** " key and turn on the power supply switch
         at the same time，hold the key until the display shows as below：

```
          SYSTEM INITIALIZE SETTING
             INPUT PASSWORD：
```

Step 3rd：after key in the password，then press the "**ENTER** " key
         ※The Initial Password is preset as "**TCAR** "
Step 4th：As LCD Display shows as below，please key-in "**Y** " in response
         To the prompt . Then press "**ENTER** " key for confirmation.

```
            CONFIRM？（Y／N）
```

3-2 Setting System Data

The following system data can be changed：（1）COM 1 for Signal Transmission
（2）Setting for Printing（3）Setting for Password（4）Others

Please follow the steps below to enter setting mode：

1. Please turn the power supply switch to the "**OFF** " position which
   located on the rear panel .
2. Press the "**SET** " key and turn on the power supply switch
   at the same time，until the display shows as below：

```
          SYSTEM DATA SETTING
            INPUT PASSWORD：
```

3. After key in the password and press "**ENTER** " key then Display will show as
   Following：

```
      1.COM 1          2.COM 2
      3.PRINTER        4.PASSWORD
      5.OTHERS
         SELECT ONE ITEM：
```

（1）**COM 1 For Signal Transmission**

A. Please Input " **1** " and press " **ENTER** " ，then the display will appear as Following：

```
            1.WEIGHING INDIATOR
            2.BAUD RATE
            3.DATA FORMAT
              SELECT ONE ITEM：
```

※PS：Please key-in two digits for your selection（such as 01，02....）
And press " **↑ ↓** " key to shift forward to next page or backward to
Last page，or you may press " **ESC** " for going back to previous operation
Mode .

＃ After select " **1** " for Setting the Weighing Display，please
complete your selection among the various items .

●	1	BDI 9301		2	BDI 9401	
	3	AC 9010		4	AC 9100	
	5	AC 9200		6	AD 4321	↓
	7	AD 4323		8	AD 4325	
	9	UMC 600		10	UMC 1000	
	11	IQ 700		12	HB 8210	
	13	HB 8220		14	BDI-9601	

■　　　　Press " SHIFT" and " ↓ " at the same time to review choose 7 – 14.

＃ After select " **2** " for Setting the Baud Rate，please complete
your selection among the various items .

	1	1200 BPS		2	2400 BPS
●	3	4800 BPS		4	9600 BPS

＃ After select " **3** " for Setting The Format of Data，please complete
Your selection among the various items .

●	1	DATA BITS：7 PARITY：EVEN		2	DATA BITS：7 PARITY：ODD
	3	DATA BITS：8 PARITY：NO		4	DATA BITS：8 PARITY：EVEN
	5	DATA BITS：8 PARITY：ODD		6	

Notice：The selection items marked with "●" represent the initial value.

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（2） **Setting for Printing**

Please key-in " **3** " The LCD Display will show as below：

```
                    1.TICKET TYPE
                    2.TICKET SPACE SETTING
                    3.TICKET PRINTING
                    4.REPORT PRINTING
                      SELECT ONE ITEM：
```

■ Press " SHIFT" and " ↓ " at the same time to see
"4. REPORT Printing

\# After select " **1** " for Setting The Copies of Weighing Data to Be
Printed，please complete your selection among the various items .

	1	1 ONE PAGE TICKET
	2	2 DOUBLE TICKET
●	3	3 TRIPLICATE TICKET
	4	UWE TC-500 FORMAT TICKET

\# After select " **2** " for Setting The Setting of The Format of The Weighing
Records，please complete your selection among the various items .

```
             REVSERVE SPACE      : 09
             TICKET INTERVAL  : 28
             FRONT REVERSE ROW：03
             REAR REVSERVE ROW：10
```

＊＊＊ REVSERVE SPACE
  Represents the preset number of the blanks in front of the first
  printing letter .
＊＊＊ TICKET INTERVAL：
  Indicating the number of lines between adjacent two pages.
＊＊＊ FRONT REVERSE ROW：
  Indicating the number of lines that printer will skip before start printing.
＊＊＊ REAR REVSERVE ROW：
  Indicating the number of lines printer will skip after complete printing .

\# After select " 3 " for Setting The Order to Print，please complete
your selection among the various items .

	1	DO NOT PRINT		2	INQUIRE & PRINT
●	3	AUTO PRINT		4	FINISH INQUIRY PRINT
	5	FINISH AUTO PRINT			

\# After select " **4** " for Setting The Weighing Data Management Report，
please complete your selection among the various items .

	1	DO NOT PRINT		2	INQUIRE & PRINT
●	3	AUTO PRINT		4	FINISH INQUIRY PRINT
	5	FINISH AUTO PRINT			

（3）Setting for Password

Please key-in " **4** " and then " **ENTER** " ， The LCD will automatically
Appear the following message：

```
                    SET PASSWORD
                    INPUT PASSWORD：
```

Please key-in the New Password you would like ， then press " **ENTER** " for
confirmation ， and LCD will display as below to password confirmation .

```
                    CONFIRM PASSWORD
                    INPUT PASSWORD：
```

Press " **ENTER** " for confirmation . Then the NEW PASSWORD is confirmed.

（4）Others

Please key-in " **5** " and press " **ENTER** " ， then the LCD Display will show the following：

```
1.SETTING  %
2.WEIGH MODE
3.DISABLE EDIT WEIGHT
SELECT ONE ITEM：
```

1.SETTING %

" **1, NO** " means the displayed weight is the Actual Weight .
" **2 , YES** " means the processor will display the calculated % of the Actual Weight.

2.WEIGHING MODE

1. Truck-In / Truck-Out Weighing Process Mode
  BDI-9611 will automatically judge Tare Weight from Total Weight ， no matter the truck is
  Empty or Loaded when the truck is going-in or driving-out .
2. WT. OF EMPTY TRUCK in Weighing Mode
  When drive in the platform ， the Trucks shall be identify which is Empty or Loaded ， and
  feed back the identification information to **BDI-9611** .

3.DISABLE EDIT WEIGHT

Select " **1** " for Prohibiting any changes.
Select " **2** " for accepting the coming changes.

===

3-3 System Examination

1. Please turn the electric power supply OFF on the rear panel .

2. Please press " **Fn** " key and switch on the power supply at the same
   time until the LCD Display shows following：

```
            CHECK SYSTEM
```

Then

```
   （1）DISPLAY          (2) KEY
   （3）MEMORY          (4 ) COM X
   （5）LPTX            （6）I / O
        SELECT ONE ITEM：
```

1. Selection " **1** " for Display
   The LCD Display will self test, please check various status.
2. Selection " **2** " for Key Pad
   Press the key then characters will appear on LCD at the correct location .
   Please press " **ENTER** " key to terminate the Key Pad Test.
3. When select " **3** " for memory：the LCD will display the follows：

```
   CHECK MEMORT
   CPU RAM：           EEPROM：
   SRAM   1：          SRAM 2：
```

Once the result of the self examination is PASS，that means the boards work normally .If
any ERROR Message occurred indicates some problems exists in memory，please immediate
contact us or our distributor for further service and repair action .

4.When select " **4** " COMX，the LCD will appear the following message

```
        CHECK COM1
        PRESS ANY KEY TO START
        TXD：
        RXD：
```

A. Testing on the 25P D Type Connector or Coupling connected to RS-232：please make
the " **Short-circuit** " between Pin2 and Pin3，then proceeding the test by pressing any
key，if any error message occurred the following text will Display on LCD

```
 RS-232 ERROR
```

B. Testing on the 9P D Type connector connected to RS-232: Please make Short-Circuit
between Pin2 of 25P D Type connector and Pin2 of 9P D connector，then press any key for
continual test, if any error message occurred，the following text will Display
      on LCD

```
 RE-232 ERORR
```

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5.Select " **5** " LPTX
 The LCD will respond with message as follows：

```
                    CHECK LPT1
              PRESS ANY KEY TO START
```

 when testing，please follow the prompt instruction，such as：
 Press any key for starting the printing test then complete the test .

 If the additional printer is not installed，please press " **ENTER** " to skip this test .
 Or，any abnormal phenomena occurred when test，please contact us promptly .
 Before test，please make sure all the necessary wiring connection has been completed .

6. Select " **6** " for " **I / O** "
 The LCD will read as follows：

```
      CHECK INPUT / OUTPUT
             1   2   3   4   5   6   7   8
   Input  :  □  □  □  □  □  □  □  □

   Output :  □  □  □  □  □  □  □  □
```

 When proceeding Input Test，please short cut all the joints of
 Relay and COM，once the Flash Status occurred correspondent to
 each joints means this controller is at the standard condition.

4. Stop the Operation: Press the " **ESC** " key.

3-4 Clear The Data In The Memory

Step＃1：Please switch the power supply at "**OFF** " locating on the Rear Panel .

Step＃2：Please press "**CLEAR** " key and Turn On the power supply at the same
time，hold the key until the LCD Display appear as follows：

```
         CLEAR MEMORY DATA
          INPUT PASSWORD：
```

Step＃3：After key-in password and press "**ENTER** " key，the following
text will appear on LCD Display：

```
        （1）PRESET TRUCK WEIGH
        （2）FINISHED WEIGHS
        （3）WT. OF EMPTY TRUCK WAITING
RETURN  ↓
        （4）WT. OF WT. OF LOADED TRUCK
WAITING RETURN
        （5）CUSTOMER CODE
        （6）MATERIAL CODE
          SELECT ONE ITEM：
```

■ Press " SHIFT" and " ↓ " at the same time to see (4)-(6).

Step＃4：Please select the items No. which will be deleted，then
Confirm by "**ENTER** "

Step＃5：If you reply with "**Yes** ", **BDI-9611** will clear the data, or press "**No** " then
"**ENTER** " back to original operation mode .

Step＃6：Terminate the operation in Memory Clearing Mode by press
"**ESC** " key，the display will shift back to previous
Weighing Operation Mode .

3-5 Setting Date / time

Step＃1：Please press the key "**DATE / TIME** "，the screen will Illustrate：

```
        Date ：YYYY / MM / DD
        Time ：     :       :
```

Step＃2：Please press down the "**SET** " key proceeding the setting Date and Time.

Step＃3：Please key-in "**yyyy / mm / dd** " and press "**ENTER** ", then key-in
"**hh：mm：ss** " for Time Setting .

Step＃4：When complete Date / Time Setting，please press "**ESC** " key to shift back to
Weighing Operation Mode .

==

3-6 Setting Customers Code And Materials Code

Please press " **SET** " key first，correspondingly，the LCD will display：

```
（1） CUSTOMER CODE
（2） MATERIAL CODE
（3） SERIES NUMBER
    SELECT ONE ITEM：
```

（1）Setting for CUSTOMER CODE: Please select " **1** " and " **ENTER** "，then LCD display the following：

```
CUSTOMER CODE NAME：
CUSTOEMR NAME          ：
```

when key-in the CUSTOMER CODE, the Maximum Characters can be accepted as 3 Characters，then press " **ENTER** " key，You can also key-in CUSTOMER NAME with maximum 8 characters .

（2）Setting for MATERIAL CODE: Please select " **2** " and " **ENTER** "，then LCD display the following：

```
MATERIAL CODE：
MATERIAL NAME：
```

when key-in the MATERIAL CODE，the Maximum Characters can be accepted as 3 Characters，then press " **ENTER** " key，you can also key-in MATERIAL NAME with maximum 8 characters .

（3）Setting for SERIES NUMBER: Please select " **3** " and " **ENTER** "，then LCD display the following：

```
SERIAL NUMBER(0-9999)：0
```

Please key-in the Serial Number of the Weighing Records and press " **ENTER** " to confirm.

3-7 INQUIRE Function

Step＃1：Please press " **INQUIRE** " key for check the information and
saved data，accordingly，the LCD will display as following：

```
（1） PRESET TRUCK WEIGH
（2） FINISHED WEIGHS
（3） WT. OF EMPTY TRUCK IN PROCESS
（4） WT. OF WT. OF LOADED TRUCK IN
PROCESS      ↓
（5） CUSTOMER CODE
（6） MATERIAL CODE
    SELECT ONE ITEM：
```

■ Press " SHIFT" and " ↓ " at the same time to see (4)-(6).

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（1）PRESET TRUCK WEIGH: Please select " **1** " and " **ENTER** " then LCD Displays:

> TOTAL NUMBER OF（DATA）： RECORD：
> ID：
> TW：

Please key-in The ID number, then press " **ENTER** " to INQUIRE the preset truck weight.
Please press " **ESC** " key for other INQUIRES.
Press " **ENTER** " key，the use" **↑ ↓** " key complete the search by shifting different pages .

（2）FINISHED WEIGHS
Please select " **2** " and " **ENTER** " then LCD Display will be：

> Total Sum of（Data）： Record：
> ID： Series No.：
> Date 1： / / CT ：
> Date 2： / / MT ：

Please key-in the requested data, then followed by " **ENTER** "，instantly，those requested
data will be researched automatically to meet your requirement .

（3）WT. OF EMPTY TRUCK WAITING RETURM
Please select " **3** " and " **ENTER** " then LCD Display will be：

> Total Sum of（Data）： Record：
> ID ： CT：
> Date ： / /
> TW ：

Please key-in the requested data and key in " **ENTER** ".
For Checking the additional data，please press " **ESC** " key.

（4）WT. OF WT. OF LOADED TRUCK WAITING RETURN
Please select " 4 " and " ENTER " then LCD Display will be：

> Total Sum of（Data）： Record：
> ID ： CT：
> Date ： / /
> TW ：

Please key-in the requested data and press " **ENTER** ".
For Checking the additional data，please press " **ESC** " key.

（5）CUSTOMER CODE NAME
Please select " **5** " and " **ENTER** " then LCD Display will be：

> TOTAL SUM OF（DATA） RECORD：
> COSTOMER CODE NAME：
> COSTOMER NAME ：

Please key-in CUSTOMER CODE NAME and press " **ENTER** ".
For additional data，please press " **ESC** " key.

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（6）MATERIAL CODE NAME
　　Please select " **6** " and " **ENTER** " then LCD Display will be：

| TOTAL NUMBER OF（DATA）： RECORD： |
| MATERIAL CODE NAME： |
| MATERIAL CODE NAME： |

Please key-in MATERIAL CODE NAME，Then press " **ENTER** ".
For additional Data，please press " **ESC** " key.

Special Function Keys used in above operations:

Function Keys	Function Description
↑ , ↓	Shift one page at one time
← , →	Shift Function among the Data of same Vehicles No.
Shift＋ ↑ , ↓	Skip 10 batch of data at one time
Shift＋ ←	Delete The Current Data
Shift＋ →	Shift to The First Batch of Data or to the Last Batch

3-8 Set Ticket/Record Printing

　Please press the key " **TICKET / REPORT** " to be print Weight Ticket，Press " **SHIFT＋ TICKET / REPORT** " for printing Weighing Report.

3-8-1 Printing Weight ticket press **"TICKET / REPORT** " LCD Displays：

| PRINT THE LAST WEIGHING RECORD |
| 1.WEIGHT |
| 2.WT. OF EMPTY TRUCK IN PROCESS |
| 3.WT. OF WT. OF LOADED TRUCK IN PROCESS |
| 　 SELECT ONE ITEM： |

Please select the No. in front of the data which you wish to be printed，and press " **ENTER** ".

3-8-2 Printing Various Management Report：
　PRESS " **SHIFT＋TICKET / REPORT** " then LCD Display will illustrate：

| （1）PRESET TRUCK WEIGH |
| （2）FINISH WEIGH |
| （3）WT. OF EMPTY TRUCK IN PROCESS ↓ |
| （4）WT. OF LOADED TRUCK IN PROCESS |
| （5）CUSTOMER CODE NAME |
| （6）MATERIAL CODE NAME |
| 　 SELECT ONE ITEM： |

　　■ Press " SHIFT" and " ↓ " at the same time to see (4)-(6).

　Please select the No. in front of the data which you wish to be
printed，and press " **ENTER** "，The data will print promptly .

PS：1. To print those Weighing Records of those FINISHED WEIGHSNG
Data，The LCD will display as follows：

```
INPUT PRINT CONDITION:
ID：                         SR：
DATE1：    /    /           CT：
DATE2：    /      /         MT：
```

Please input the data followed with "**ENTER** "，**BDI-9611** will
complete the specific search and print .

2. To print those Weighing Records of WT. OF WT. OF LOADED TRUCK IN
PROCESS，The LCD will display as follows：

```
INPUT PRINT CONDITION：
ID：                    CT：
Date：                  MT：
```

Please input the necessary condition followed with "**ENTER** "，
BDI-9611 will complete the specific research and print .

3-9 Weighing Operation：

Step＃1：Please Turn On the Electric Power Supply and make sure all
the wire connection to the **BDI-9611**, Score Board, and the printer
are well connected .Please confirm the existing operation mode from
LCD is at **Auto-Judge Weighing Operation Mode** or **Empty
Truck Weighing Operation** Mode.

（**1**）**Auto-Judge Weighing Operation Mode**：

At this Mode，BDI-9611 will judge the Tare Weight（WT. OF EMPTY TRUCK）or Total
Weight(WT. OF LOADED TRUCK） automatically. After entering ID No., the Net Weight
can be precisely calculated. The Displayed on LCD starts as follows：

```
ID：              G.W.：
CT：              T.W.：
MT：               N.W.：
SR：              TRUCK：
```

Operation Process：
1. Before the truck enter the scale，please key-in Vehicle ID.，Customers Code，Customer
Name，Material Code，and press "**ENTER**" for confirmation.（Skip customer' name or other
Codes if key-in not required）.
2. Only when the truck enter the scale and the reading on the display is Kept at Stable
Value，the Operator can Press "**ENTER** " and complete the Truck-In Weighing Operation.
3. When truck is going to Drive-Out of Plant Site，please key-in the following data，such as
Vehicle ID.，Customer Code，Material Code，and press "**ENTER** " key for automatic

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---

judgement.（Skip customer' name or other Codes if key-in not required）.
4. **BDI-9611** will judge Gross Weight and Tare Weight automatically. Again，Please press
" **ENTER** " to complete above weighing operation.
5. **BDI-9611** will automatically questioning the Whether to Preset The Weight of WT. OF
EMPTY TRUCK，if " **Yes** " please reply with " **Y** " or reply with " **N** " for No.
6. Printing The Weighing Records or Management Report.

（**2**）　**EMPTY TRUCK Weighing Operation Mode .**

To Operating this Mode，please identify if the drive-in Truck is **Empty** or, please Shift The
Operation Mode by Pressing " **SHIFT＋↑ ↓** " key.

```
ID：              G.W.：
CT：              T.W.：
MT：               N.W.：
SR：              TRUCK：
```

OPERATION PROCESS：
　EMPTY TRUCK Weighing Operation Mode:
　A. Please key-in the Vehicle or Truck No. at maximum 8 characters，
　Then press " **ENTER** "，accordingly the LCD will display as below：

```
ID：AA-123        G.W.：
CT：              T.W.：1234.5
MT：               N.W.：
SR：              TRUCK：
```

B. Please make sure whether the reading of weighing signal is at Stable Status. If Not, the
Right Bottom Side of the Display will appear a Flashing Cursor reminding the operator，
then，please wait until the Flash Cursor vanished，subsequently，press " **ENTER** "
for confirmation. Then, respectively the Display will show the following：

```
ID：AA-123                          G.W.：
 CT：| PRESET TRUCK WEIGH?(Y/N) |    T.W.：   1234.5
 MT  |                          |    N.W.：
 SR：|                          |    TRUCK：
```

BDI-9611 will automatically questioning the operator from LCD Display Whether to Preset
The Weight of WT. OF EMPTY TRUCK，if " **Yes** " please reply with " **Y** " or reply with " **N**
" for No. and **BDI-9611** will question whether to print Weighing Record ? If Printing Shall
be done，reply with " **Y** " or Answer with " **N** "

LOADED TRUCK Weighing Operation Mode：

Please change to Loaded Truck Weighing Mode by "**SHIFT＋↑↓** " and on LCD:

ID：	G.W.：
CT：	T.W.：
MT：	N.W.：
SR：	TRUCK：

Please key-in ID，CUST.NAME，MAT.CODE，and press " **ENTER** " for confirmation .（Skip customer' name or other Codes if key-in not required）. If either the customer data or material code is already set，then Just Directly key-in " **CUST. CODE** " and followed with " **ENTER** "，When input the material code，the operator can key-in the " **MAT. CODE** " and press " **ENTER** " for confirmation.

ID：AA-123	G.W.：5000
CT：BDE	T.W.：2000
MT：CCC	N.W.：3000
SR：1	TRUCK：

Please make sure whether the reading of weighing signal is at Stable Status，if Not，the Right Bottom Side of the Display will appear a Flashing Cursor. Please wait until the Flash Cursor vanished，subsequently，press " **ENTER** " for confirmation .At this moment，if the ％ Mode has been set effective by" **Yes** "，the Display will show as Fig（1）：

FIG.（1）

$$\text{FINAL N.W.} = 3000 \times 50\%$$
$$= 1500$$

Once the changes on the ％ Mode is needed，please press " **％ Key** " then key-in the Revised Value and completed with " **ENTER** ". Accordingly the weight will change along with the ％ revision .**BDI-9611** will inquire to Print Weighing Record or Weight Management Report .

FIG.（2）

ID：AA-123		G.W.：5000
CT：	PRINT TICKET	T.W.：2000
MT：	Y／N？	N.W.：3000
SR：		TRUCK：

BDI-9611 will question whether to print Weighing Record？
If Printing shall be done，reply with " **Y** "or Answer with " **N**

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CHAPTER 4   The Sheet Format and Interface

4-1 Sheet Format

1-1 **Single** Sheet Weighing Ticket   1.2 **Single** Sheet Percentage Ticket

◎Use Percentage

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1.3 **Duplicate** Sheet Weighing Ticket

1.4 **Triplicate** Sheets Weighing Ticket

1.5 UWE **TC-500** Weighing Ticket

```
        |←————————— 4.1in —————————→|
   |← 0.55in →|←——— 3in ———→|← 0.55in →|
```

Weighing Ticket

Customer :

Address   :

Material :

Hauler   :

Operator :

Controller :

Date	
Time	
Serial	
Material	
Truck ID.	
Gross Wt.	
Tare Wt.	
Net Wt.	

Report Format

A.PRESET TRUCK WEIGH LIST

DATE: 86/12/04

Truck ID	Truck WT	Truck ID	Truck WT	Truck ID	Truck WT
AA – 123	345.7	BB – 123	346.7	CR – 123	196.8
XX – 368	1208.2	EE – 371	948.2	MA – 238	841.2
SF – 893	858.3	WE – 288	730.1	OP – 247	719.6
HT – 842	1093.1				

B. REPORT: Detail

SR.	DATE	TIME	Truck ID	Customer	Material	Gross Wt	Tare Wt	Net Wt
1	86/12/02	12:02	AX – 386	BDE	MET – 001	8700	1500	7200
	86/12/02	11:35						
2	86/12/02	10:38	RY – 603	NEC	B – 002	8300	2100	6200

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===

SR.	DATE	TIME	Truck ID	Customer	Material	Gross Wt	Tare Wt	Net Wt
	86/12/02	14:06						
3	86/12/02	11:07	BT – 927	EBM	QQQ	2500	1000	1500
	86/12/02	14:29						
4	86/12/02	11:14	UD – 106	UMAX	ABCDE	3900	1200	2700
	86/12/02	12:38						
5	86/12/02	11:57	KB – 583	ACER	98422	5400	2300	2800
	86/12/02	16:36						
6	86/12/02	17:02	LG – 052	HP	9301	2900	1000	1900
	86/12/02	17:02						
7	86/12/02	15:19	TM – 736	BDE	QODS	9500	3400	6100
	86/12/02	17:21						
8	86/12/03	09:02	LS – 824	EPSON	MIT – 02	7500	3000	4500
	86/12/03	10:59						
9	86/12/03	10:11	HV – 462	CL	SDFG	5200	3400	1800
	86/12/03	12:46						
10	86/12/03	08:21	LV – 825	NEC	USA – 1	6500	4500	3000
	86/12/03	09:42						

C. Classification REPORT by: Truck ID

DAILY   LIST

SR.	DATE	TIME	Truck ID	Customer	Material	Gross Wt	Tare Wt	Net Wt
2	86/12/02	09:23	NE – 963	BDE	9611	5300	2000	3000
	86/12/02	11:07						
9	86/12/02	15:56	NE – 963	EBM	QQQ	7800	2000	5800
	86/12/02	17:11						
32	86/12/03	10:42	NE – 963	NEC	PRN	3210	2000	1210

D. Classification REPORT by: Customer Name

DAILY   LIST

SR.	DATE	TIME	Truck ID	Customer	Material	Gross Wt	Tare Wt	Net Wt
3	86/12/02	14:20	AS – 073	BDE	9611	6230	3200	3030
	86/12/02	15:58						
57	86/12/05	10:07	GE – 832	BDE	9301	3100	1100	2000
	86/12/05	12:17						
89	86/12/07	15:48	RU – 137	BDE	MIT – 1	5000	2500	2500
	86/12/07	17:16						

E. Classification REPORT by: Material Code

DAILY   LIST

SR.	DATE	TIME	Truck ID	Customer	Material	Gross Wt	Tare Wt	Net Wt
3	86/12/02	10:16	AS – 957	BDE	MIT – 1	7500	3000	4500
	86/12/02	11:38						
17	86/12/03	14:22	HL – 051	NEC	MIT – 1	8000	2000	6000

===

	86/12/03	16:51						
19	86/12/03	14:35	AF – 383	EMB	MIT – 1	6300	2300	4000
	86/12/03	17:03						

F. Classification REPORT by: Date

DAILY   LIST

SR.	DATE	TIME	Truck ID	Customer	Material	Gross Wt	Tare Wt	Net Wt
3	86/12/05	09:28	DG – 064	BDE	MIT – 1	7000	2500	4500
	86/12/05	10:57						
4	86/12/05	09:37	OX – 739	NEC	USA – 1	8900	3000	5900
	86/12/05	11:14						
5	86/12/05	09:42	VU – 176	BDE	9301	5100	2100	3000
	86/12/05	13:15						
6	86/12/05	13:26	HK – 682	UMC	9711	7300	2300	5000
	86/12/05	15:22						
7	86/12/05	14:52	AL – 384	AB CD	9611	8000	3000	5000

4-2 The Interface（Port）of The Printer
（Including Date and Time）
（1）Connection Pins：
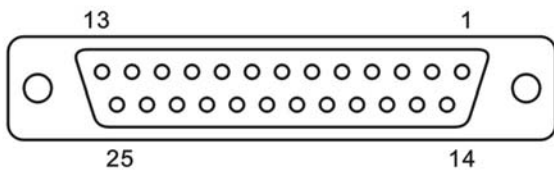
Pin NO	Pin No Name	Pin No	Pin No Name
1	/STROBE	14	NC
2	DATA1	15	/ERROR
3	DATA2	16	/INIT
4	DATA3	17	NC
5	DATA4	18	NC
6	DATA5	19	NC
7	DATA6	20	GROUND
8	DATA7	21	GROUND
9	DATA8	22	GROUND
10	/ACKNLC	23	GROUND
11	NC	24	GROUND
12	NC	25	GROUND
13	NC	26	

4-3 SERIAL COMMUNICATIONS INTERFACE

1.Specifications

1. Type：EIA-RS-232C / EIA-RS-232C
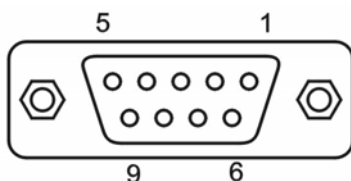2. Method：Half-duplex
3. Baud Rate：1200，2400，4600，9600 BPS

2.Explanation on Connection Pins：

1. 25 Pin D Type

Pin 1　FG
Pin 2　RXD
Pin 3　TXD
Pin 4　RTS
Pin 5　CTS
Pin 6　DSR
Pin 7　SG
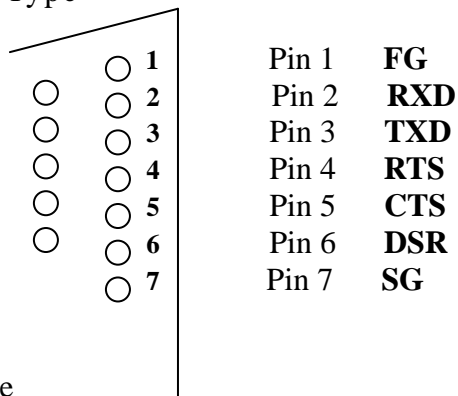
2. 9 Pin D-Type

Pin 2 TXD (Transmit data)
Pin 5 SG（Signal Ground）

===

CHAPTER 5   Operation Summary

5-1 Daily Operate Process

1. Check Weighing Indicator, Printer, Print Paper and Cable Connection-Plug.
2. Open the printer and **BDI-9611** power.
3. Check or clear weight data.
4. Check or set DATE / TIME.
5. Begin daily operation.
6. Print weighing report at the end of the day.
7. Clear weighing memory.
8. Power off.

5-2 Operation Menu

1. System Operation Menu

```
POWER ON ────────▶ 1.COM1 ────────▶ 1.Weighing indicator    (Select item and
   +SET                        ────▶ 2. Band rate               press ↵  key to input)
                               ────▶  3.Data format

             ────▶ 2.COM2

             ────▶ 3.Print Set ────▶ 1.TICKET type
                               ────▶ 2.TICKET space setting
                               ────▶ 3.Ticket Print
                               ────▶ 4.Record Print

             ────▶ 4.Password set

             ────▶ 5.Other ────▶ 1. Set percentage
                             ────▶ 2.Weigh mode
                             ────▶ 3. Disable edit weight
```
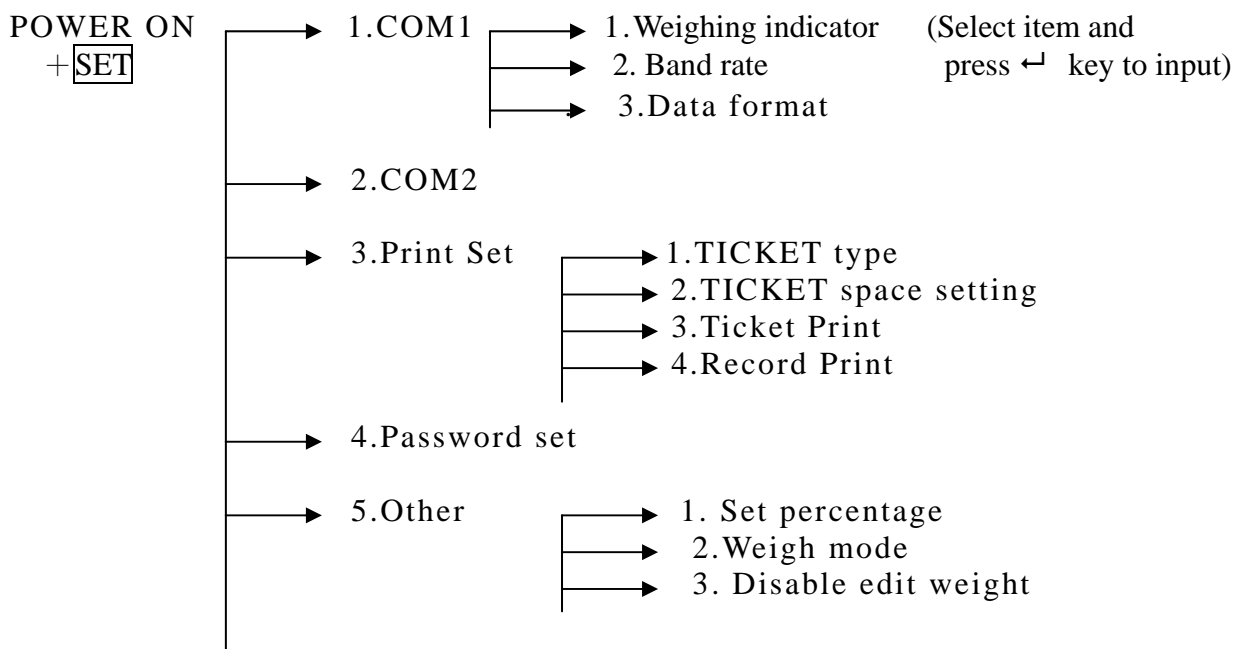
2. System initial setting operation Summary

```
POWER ON ────────────────────▶ System Initial Setting
   + Fn
```

==

----
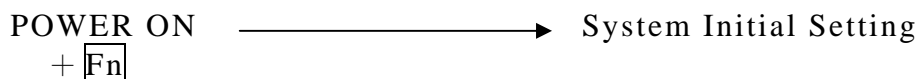
3. System check operate Summary

POWER ON   → 1.Display
    + Fn   → 2.Key
                   → 3.Memory   (Select item and
                   → 4.COMX   Press ↵key to input)
                   → 5.LPTX
                   → 6.I / O

4. Erase Memory Data

POWER ON   → 1.PRESET TRUCK WEIGH   (Select item to remove
    + CLEAR   → 2.FINISHED WEIGHS   data and pres↵key to input)
                   → 3.WT. OF EMPTY TRUCK IN PROCESS
                   → 4.WT. OF WT. OF LOADED TRUCK IN PROCESS
                   → 5.CUSTOMER CODE NAME
                   → 6.MATERIAL CODE NAME
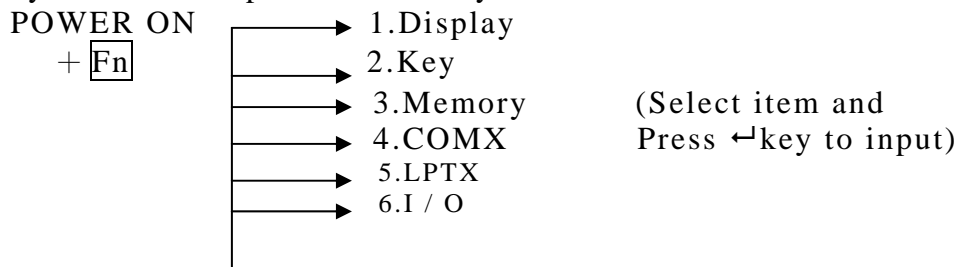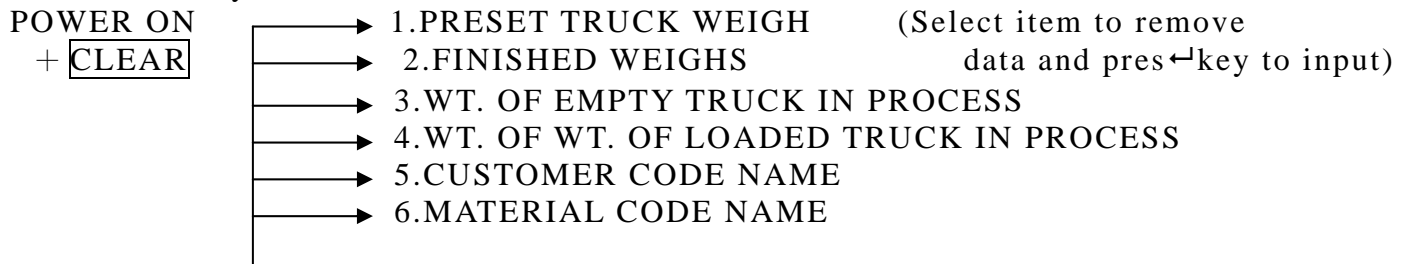
5. DATE / TIME SET Operate Summary

DATE / TIME   → + SET   (Select DATE / TIME
                                 And press ↵Key to input)
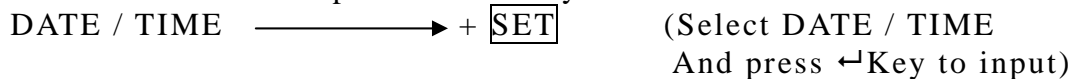
6. Printing Operate Summary

TICKET / REPORT

PRINT TICKET   → 1.FINISHED WEIGHS   (Select Item and
                   → 2. WT. OF EMPTY TRUCK IN PROCESS   Press ↵Key to input)
                   → 3. WT. OF WT. OF LOADED TRUCK IN PROCESS

SHIFT + TICKET / REPORT

Printing for Management Record   → 1. PRESET TRUCK WEIGH
                                 → 2. FINISHED WEIGHS
                                 → 3.WT. OF EMPTY TRUCK IN PROCESS
                                 → 4.WT. OF WT. OF LOADED TRUCK IN PROCESS
                                 → 5.CUSTOMER CODE NAME
                                 → 6.MATERIAL CODE NAME
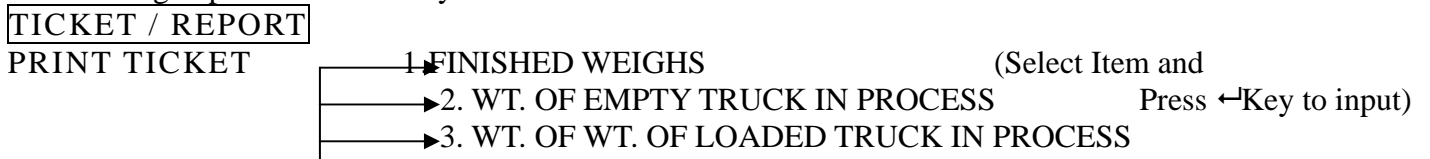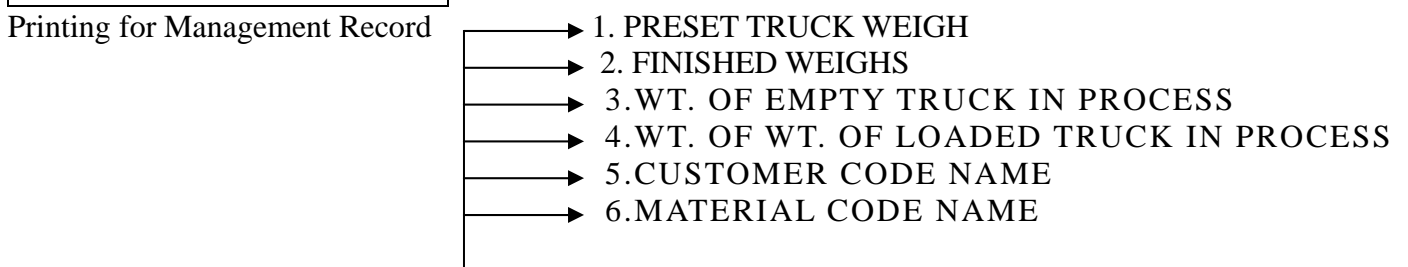
7. Setting CUST. MAT. CODE Operate Epitome

SET Key   → 1.CUSTOMER CODE NAME   (Select Item and
                 → 2.MATERIAL CODE NAME   press ↵Key to input
                 → 3.SERIAL NO.

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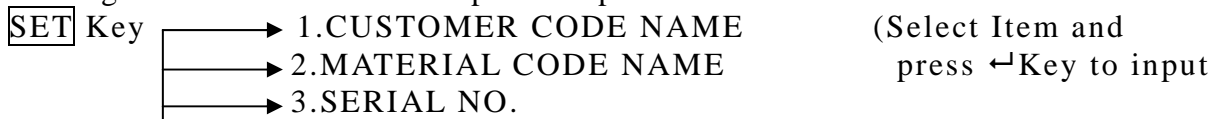
8. Weighing Operation Epitome

Auto-Judge ──────► In ──────► No.of Vehicle ↵
Weigh Mode │ ├──► Select CUST.CODE or CUST.CODE key
            │ └──► Select MAT.CODE or MAT.CODE key
            │
            └──► Out ──────► No.of Vehicle ↵
                       ├──► Select CUST.CODE or CUST.CODE key
                       ├──► Select MAT.CODE or MAT.CODE key
                       └──► Preset Tare Weight for WT. OF EMPTY TRUCK（Y／N）

EMPTY TRUCK ──────►
                   EMPTY TRUCK Mode
weighing Mode   ├──► No of Vehicle（8 Digit Number/Character）↵
                       ├──► Preset Tare Weight for WT. OF EMPTY TRUCK（Y／N）？
                       └──► PRINT TICKET（Y／N）？
                   LOADED TRUCK Mode
                       ├──► No of Vehicle（8 Digit Number/Character）↵
                       ├──► Select Customers Code or Customers Code key
                       ├──► Select Material Code or Material Code key
                       ├──► Select Tare Weight（Tare Weight）
                       └──► PRINT TICKET（Y／N）？

5-3 Warning And Solution

Error Message：Please Input Truck I.D. Press and key to Continue.
How to Solve ：Please to Press any key to Continue Weigh Mode .

Error Message：No Code Name，Press any key to Continue.
How to Solve ：Please undertake Set Code Name.

Error Message：Printer 1 Happen Error，Please checking.
How to Solve ：Please Checking Cable Connection，Printer On Line，
                To use system check test printer.

Error Message：No Code Item，Press any key to Continue.
How to Solve ：Press any key to Continue after，Please Input Correct of
                Code-name.

Error Message：Please again Input for password mistake.
How to Solve ：Please confirmation password，after again Input password.

Error Message：The weighing indicator signal to break，please checking the
                weighing indicator and signal line.
How to Solve ：1.Check. 2.Use System Check.
                3.Weighing Indicator，and BDI-9611 Setting Value.

Error Message：Exceed reception time，press and key to continue
How to Solve ：Please Confirmation Test Line，It's Connection If Connection It's ok，
May be Interface Error，Please contact us.

Error Message：Not find printer 2 interface，skip print
How to Solve ：Checking printer 2 interface，if no please press " ENTER " key to go out.

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