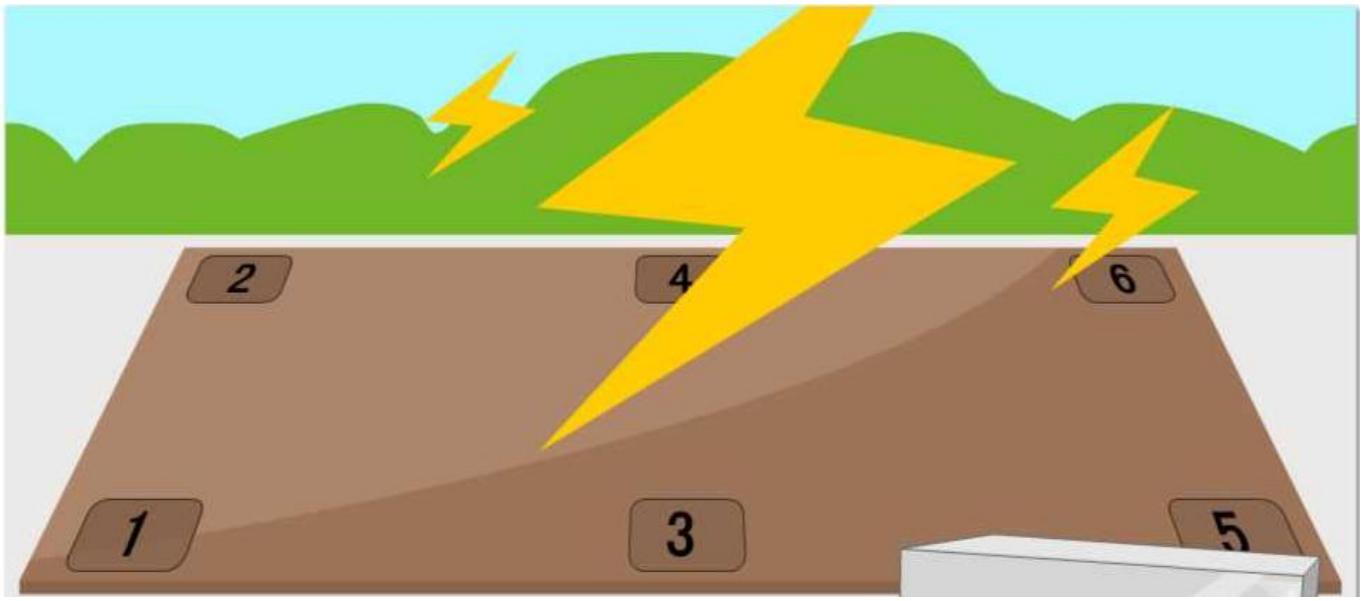
User manual

D39 E

Electronic Weighing Indicator



- Indicator ground wire must be complying with electrical safety regulations, junction box; load cell must be well grounded.
- Connection between digital load cell and indicator must be reliable, load cell shield wire must be grounded.

▲During Thunderstorm season, system must have reliable lightning protection measures, to protect load cell and indicator.Also it shall keep the worker safe and weighing equipment safe.

▲ It is not suitable to use at where it has flammable gas, or flammable vapor areas, or tank system with pressure.

▲keep indicator and load cell away from strong electric magnetic field, corrosive substances and explosive materials.

▲do not use strong solvents(such as: benzene, nitro-class oil) to clean the housing.

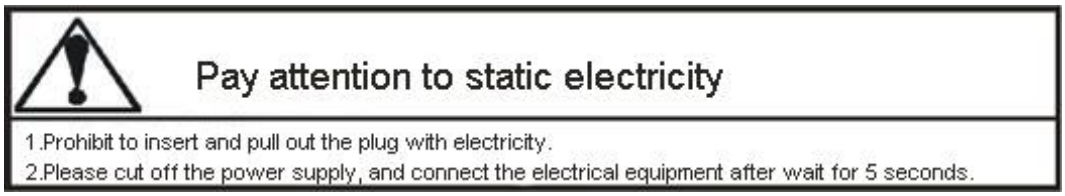
▲without technical supervision department's promise, no one can open the seals, or calibrate..

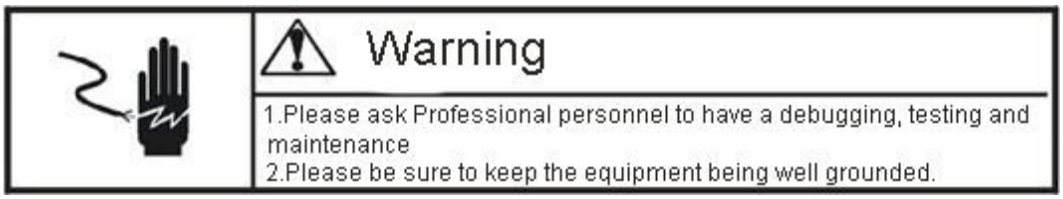
◆To ensure indicator display clearly, and work longer, do not use it under sunlight directly, and put it at a flat place. stable.

◆indicator should be away from dust, vibration, wet environment.

◆That indicator is precision measuring instrument, to ensure accuracy, do not open it without authorization.

◆exceeding maintenance time, factory should charge for repairing.





menu

Chatper 1 technical parameter

1 Type： D39-E

2 Maximum test index value： n=3000

3 Error distribution coefficient： pi =0.5

4 Digital load cell interfaces:

Communication mode RS485

Signal transmission distance: 30 M if connecting 12 pcs load cells, if need longer, please contact us.

Transmission baud rate 9600、19200bps

Excitation power DC12~14.8V

Digital interface ability connect max 16 pcs digital load cells

Available communication protocol : C type、E type and K type digital protocols.

5 Display： 7inch 800*480TFT screen

6 Keyboard: Resistive touch screen

7 Clock: display year, month, date, hour, minute and second, leap year and leap month automatically.

8 Scoreboard display interface (isolated from load cell connectors)

Transmission mode current loop and RS232

Transmission baud rate 600bps

9 Serial communication interface (isolated from load cell connectors)

Transmission mode RS232 and RS485

Baud rate: 2400/4800/9600/19200/38400/115200bps optional

10 Ethernet interface

Support remote communication

11 Printing interface (isolated from load cell connectors)

With standard parallel printing interface, such as EPSON LQ-300K＋Ⅱ、EPSON LQ-300K、EPSON LQ-680K 、EPSON LQ-730K 、EPSON LQ-1600K（＋）、KX-P1131、KX-P1121、DS-300…etc printers.

Out-connecting micro-printer：POS58 printer（thermal-printer）、AB_300K（needle-printer）

12 Data storage

Can store 1000 groups of vehicle numbers and tare weight, 4000 groups of latest weighing records, 300 groups latest unfinished weighing records, 6 groups of over load records.

13 Operating environment

Power input 110~220VAC 50~60Hz

Operation temperature -10℃ ~ 40℃

Storage temperature -25℃ ~ 55℃

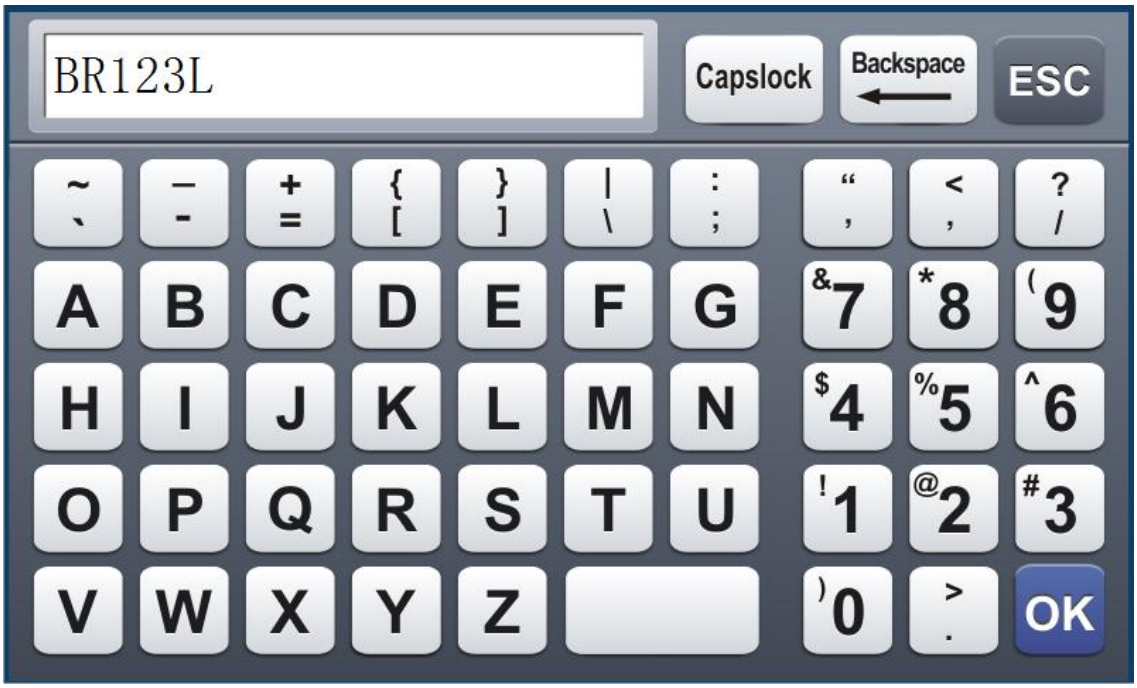
Relative humidity ≤85%RH

Chapter 2 Basic operation

section 1 keyboard

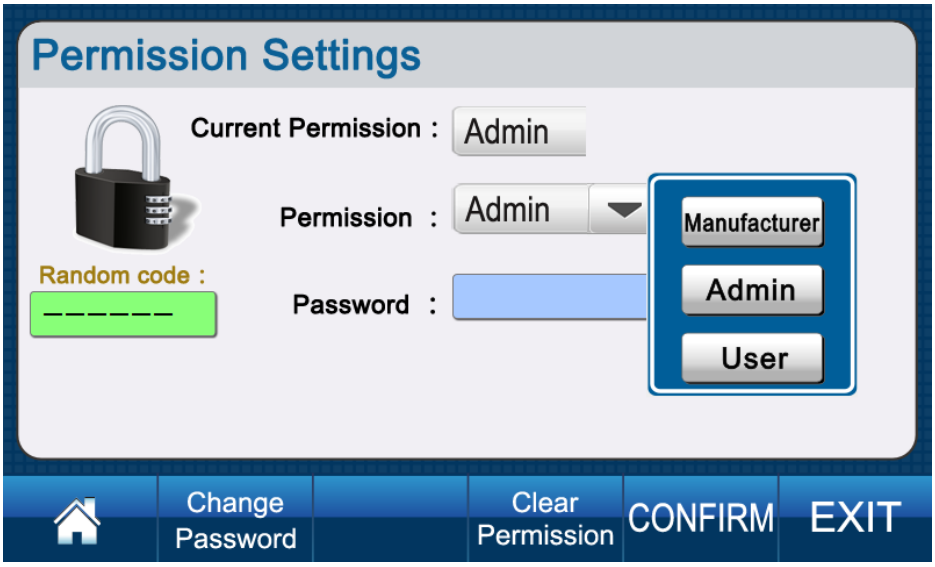
Whole touch screen click mode.

section 2 enter interface



section 3 permission setting

Indicator has four permission mode: manufacturer,scale calibration party, user ,no permission .After power on,there is no permission ,interface is as below,



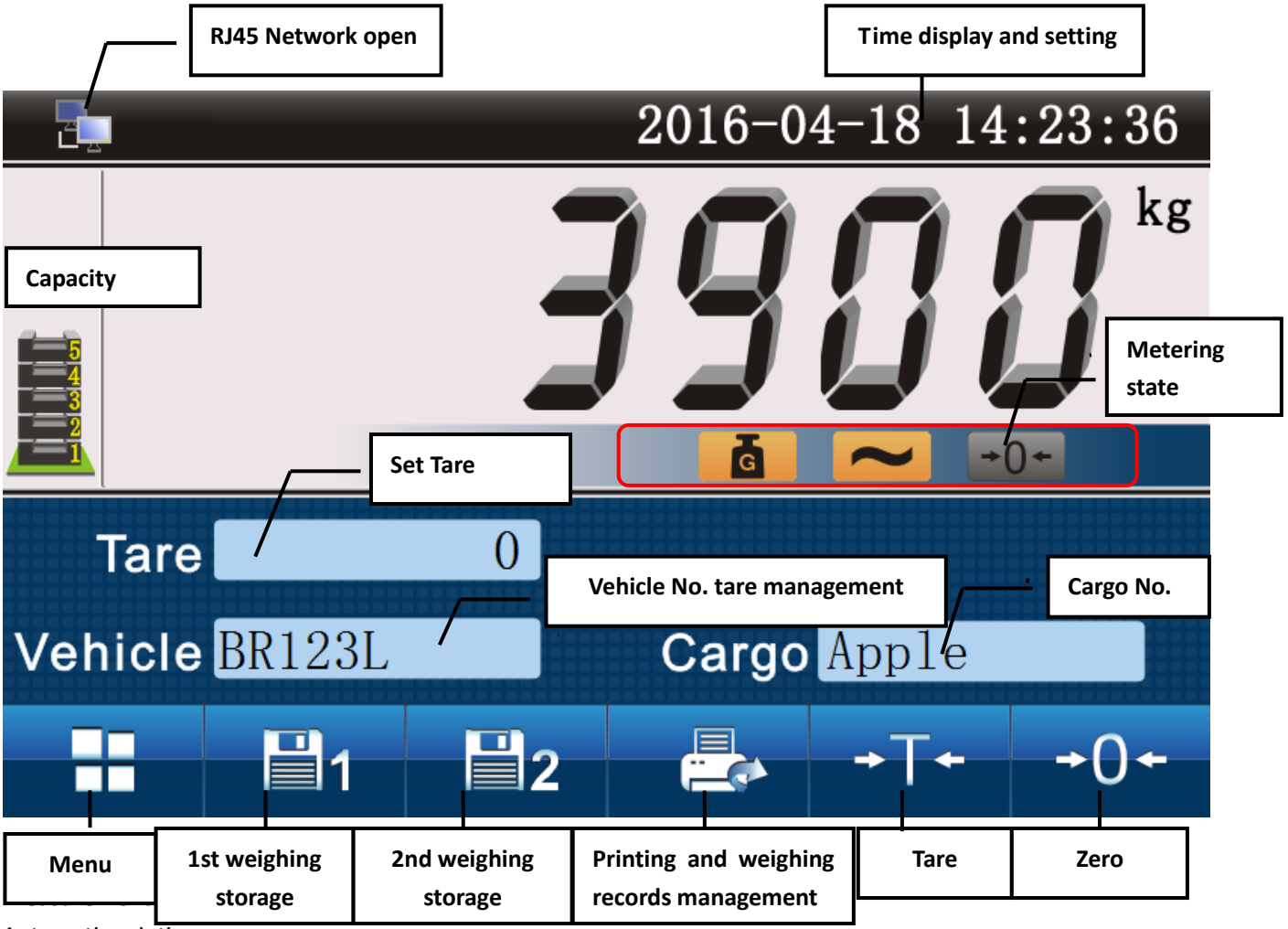
User permission: All functions except impacting measurement.

no authorization： only tare and Zero operation.

Note： When the user's password is set to 0, the default is access to user permission.

chapter 4 function

main interface and its function



Automatic printing

on Auto off

G.W ： N.W：

Stable： not stable

Zero : non-zero :

1 power on and power on zero setting

After Power supply is on,the indicator begin to self – checking,everything is well ,go into initialization status.

When the indicator is power on,if the zero is not correct,but still in the setting range,the indicator would be zero setting itself.

Zero setting range,please check in the scale parameter interface.

2、manually zero setting

Only after the stable light on ,beging the zero setting operation .

If over the manually zero setting range,press zero setting key is not working.zero setting range ,please check the [debug scale],[scale parameter]

Press zero setting key,can make the indicator zero return .Zero light on.

3、Tare

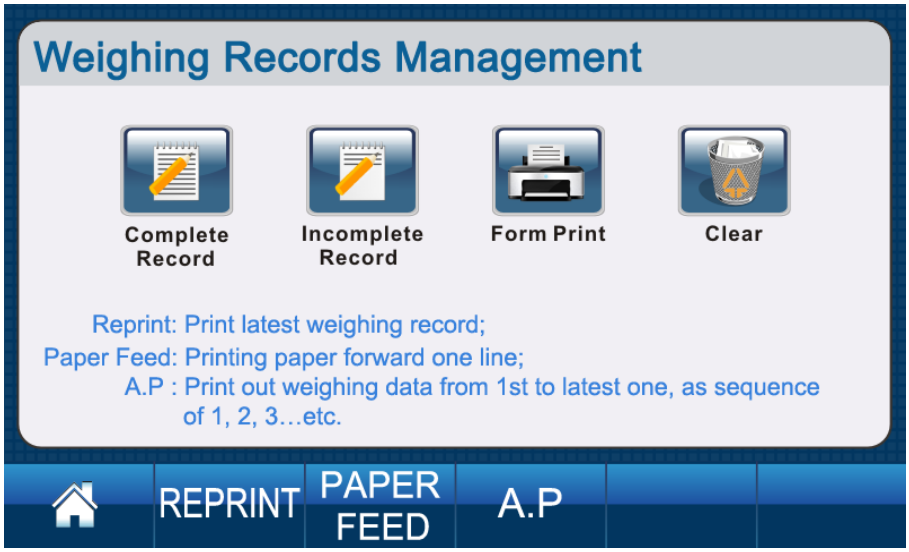
two tare operation way
Under weighing display status,
A normal tare
Display weight is more than 0 and it is stable,press tare key,could make the display weight value as tare weight to be deducted.And indicator display net weight value,tare light on .Gross weight light off.
B PRESET TARE .
Press tare,enter tare weight.

4、clear tare

two clear tare way:
A. Under tare status,press zero setting ,could quit out tare status and zero setting.The range is constrained to the zero setting under the tare status.
B.press tare,set the present tare value as 0

5 weighing record inquiry ,additional printing,and delete .

press printing and weighing records management ,go into below interface.

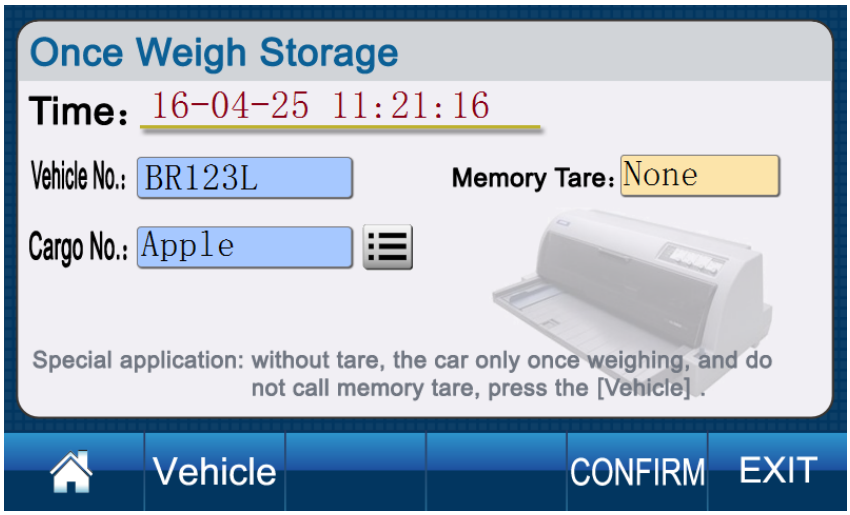


6 vehicle NO. and tare management

Press vehicle no. and tare management ,go into below interface

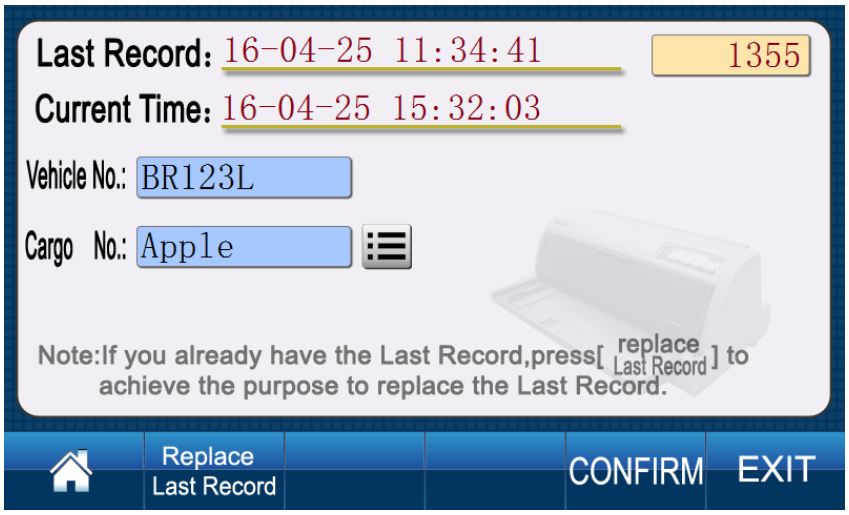
chapter 5 weighing record storage and printing

1、once weighing ,invoke tare value or not .press once weighing storage,go into below interface.



2、twice weighing

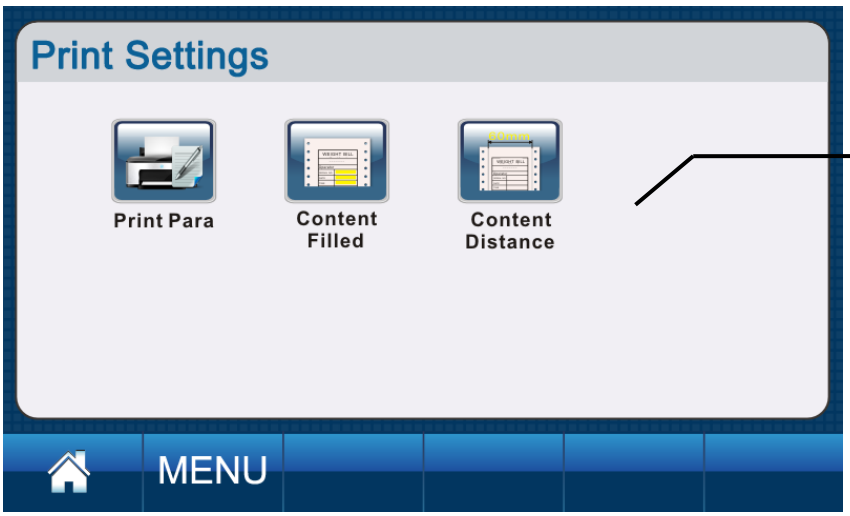
twice weighing storage,go into below interface.



3、Preset tare value status,store printing format.

Afer tare steps,and press once weighing storage or twice weighing storage is ok .

Chapter 6 Printing format setting



According to the real interface to do the operation

Appendix A weighing sheet format

(standard I)

WEIGHT BILL DATE：2016-04-23

S.N.	TIME	T.N.	A.N.	G.W.(t)	T.W.(t)	N.W(t)
0004	20:44:36	00001	001	1.000	0.100	0.900
0005	20:45:00	00002	001	1.000	0.100	0.900
0006	20:45:10	00003	001	1.000	0.100	0.900
TOTAL:			G.W.:	7.003 t	T.W.:	4.603 t

standard II

WEIGHT BILL

S.N. :	0002
DATE :	2016-04-22
TIME :	20:45:10
T.N. :	BR123L
A.N. :	Apple
G.W. :	1.000(t)
T.W. :	0.100(t)
N.W. :	0.900(t)

Standard III

WEIGHT BILL DATE：2016-04-23

S.N.	TIME	T.N.	A.N.	G.W.(t)	T.W.(t)	N.W(t)
0002	20.46.10	00002	001	1.000	0.100	0.900

FILLING UP FORMAT

WEIGHT BILL	
Operator	
SERIAL No.	**123**
DATE	**2013-12-06**
TIME	**12 .35 .28**
VEHICLE No.	**00001**
CARGO No.	**001**
GROSS	**1580 t**
TARE	**80 t**
DISCOUNT	**%**
NET	**1350 t**
CUSTOMER	
REMARK	

REPORT FORMAT

DETAI_TABLE(16-04-23 TO 16-04-23)

S.N.	TIME	T.N.	A.N.	G.W.(t)	T.W.(t)	N.W(t)
0001	20:06:53	BR123L	Apple	2.003	1.000	1.003
0002	20:21:30	00123	004	1.000	1.000	0.000
0003	20:41:26	00001	010	1.000	0.100	0.900
0004	20:42:41	00001	001	1.000	0.100	0.900
0005	20:45:20	00001	050	1.000	0.100	0.900
0006	20:47:35	00002	06	1.000	0.100	0.900
TOTAL:			G.W.:	7.003 t	N.W.:	4.603t

Abbreviation:

1、E-COMM : Communication Error；
2、Err-PD : The manager password of indicator is different with LCs；
3、PW : password
4、INFO : information
5、ERR : Error
6、LC : Load cell
7、CUR ISN : Current ISN
8、CAL empty ISN : ISN while calibrating empty scale
9、CUR ISN-C.E ISN : Current ISN - ISN while calibrating empty scale