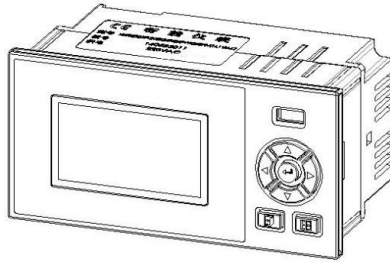


Foreword

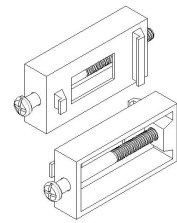
Thank you for purchasing the Heat Totalizer.

The use's manual contains useful information about the functions of the instrument, installation, operation procedures, parameter setting and troubleshooting . To ensure correct use, please read this manual carefully before installation and operation. And keep this manual in a safe place for quick reference in the event a question arises.

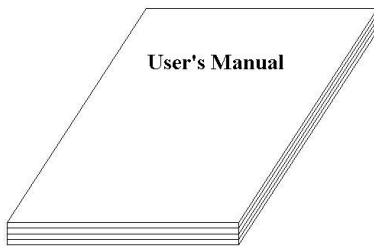
Packing Details



Flow Totalizer



Mounting Bracket



User's Manual



Quality Certification

No.	Name	Unit	QTY	NOTE
1	Heat Totalizer	pcs	1	
2	Mounting Bracket (with screws)	pcs	2	Suit for embedded instainstallation mode
3	User's Manual	book	1	
4	Quality Certification/ Warranty Card	pcs	1	
5	IC Recharge Card	pcs		optional
6	RS232C/485 Convert Modula	pcs		optional
7	RS232C Lines	pcs		optional

Attention

- **If you find that the instrument is damaged by transportation, please contact the manufacturer.**
- **This series of instruments is suitable for general industrial occasions. If you have special use requirements, please set up a separate protective device.**
- **For the safety of you and the instrument, please do not install with electricity. Please use the rated voltage power supply, the correct wiring, properly grounded, after the power supply, please do not touch the back of the instrument wiring terminal, in case of electrical shock.**
- **The instruments should be installed indoors, and the installation position is to ensure that the ventilation is smooth (in case the temperature inside of the instrument is too high), avoid the wind,rain and direct sunlight, do not install in the following situations:**
 - **An occasion where temperature and humidity exceed the conditions of use**
 - **An occasion in which a corrosive, flammable or explosive gas is present.**
 - **Occasions with large amounts of dust, salt and metal powder.**
 - **Occasions where water, oil and chemical liquids are easily spattered.**
 - **An occasion of direct vibration or shock.**
 - **Electromagnetic source.**
- **The instrument should take appropriate shielding measures when it is close to power line, strong electric field, strong magnetic field, static electricity, noise or AC contactor, etc.**
- **In order to avoid measuring error, when the sensor is thermal resistance, use three copper conductors of the same size and resistance value less than $10\ \Omega$, otherwise the measurement error will be caused.**
- **In order to extend the service life of the instrument, please carry out regular maintenance and maintenance. Do not repair and disassemble the instrument by yourself. When wiping the instrument, please use a clean soft cloth, do not dip in alcohol, gasoline and other organic solvents cleaning, may cause discoloration or deformation.**
- **If the meter has influent, smoke, smell, noise and so on, please immediately cut off the power supply, stop using and get in touch with the supplier or our company in time.**

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Chapter 1: Summary

● Summary

The refined heat (cold) quantity totalizer is an instrument based on ARM microprocessor, cooperating with various flow transmitters and sensors for flow measurement, and cooperating with two platinum thermistors (or through temperature transmitters) to complete the heat measurement of liquid heat carrier or the cooling capacity measurement of cold medium.

It collects, displays, controls, remotely transmits, communicates and prints various signals such as on-site temperature and flow to form a digital acquisition system and control system, which is especially suitable for trade settlement and measurement management. It can be widely used in heat transfer oil boilers, water heating and other heating systems and building air conditioning heat exchange systems to realize on-line measurement of heat and mass transfer, so as to provide information for enterprise energy management, energy consumption measurement Provide basis for technology and economy.

● Feature

◎Suit for flow meters and fluid media.

◎At the same time, it has the function of liquid heat carrier heat metering or cold medium cooling metering, and one meter can be used for both purposes.

◎ Automatic conversion of flow unit and automatic calculation the flow coefficient of differential pressure flowmeter.

◎ Trade settlement function: agreement settlement can be enabled for high / low flow, and supplementary settlement can be enabled for power failure.

◎ Emergency fault tolerance function: When the supply / return temperature signal is abnormal , use emergency parameter value for compensation calculation.

◎Debugging function: support to view the original value of each transmitter/sensor signal;Support to view the flow Intermediate parameters during calculate such as density are used in the calculation.

◎Audit Record: blackout record function

◎ Alarm List: It supports the recording of instantaneous or cumulative alarm information such as flow, heat (cooling), temperature supply, temperature return, differential pressure / frequency / volume.

◎Cumulative Report: support cumulative flow/heat shift report, daily report, monthly report, annual report.

◎Communication function: standard Modbus RTU protocol, supports RS485 and RS232C communication interface.

◎Transfer Function: Standard current transformer is supported, signal source channel is optional.

Chapter 2 Technical Indicators

● Display

Screen: 128*64 monochrome LCD (LCD)
Accuracy: Display and measurement accuracy $\pm 0.2\%$ F.S.

● Processor

High performance arm Cortex-M3 32 bit RISC core.

● Input Function

Flow Channel: Analog signal: 0-10mA, 4-20mA Frequency signal: Fr(range: 0.0-5000.0HZ, Vil: $\leq 1V$, Vih: $\geq 5V$
Temperature channel: 0-10mA, 4-20mA, Pt100- Pt1000

Attention

Other input signals (such as switch input (DI), need to be indicated when ordering.

● Output Function

Distribution Output: Provide 1 group (F12) 12VDC and 2 groups (Q24, P24) 24VDC sensor power supply.
Transmission Output: support 1 channels standard current output, load capacity 500 Ω (maximum).

Relay output: Support 2 relay output, contact capacity 3A@ 250VAC / 3A@ 30VDC, can be configured upper limit
HH / upper limit HI/ lower limit LO / lower limit LL .

● Communication Function

Communication Interface: providing RS232C and RS485 communication interfaces for users to choose from,
supporting Modbus RTU protocol, baud rates- (1200/2400/4800/9600)

● Power Supply

AC Power supply: 220VAC/50HZ AC power supply, DC Power supply:24VDC (18VDC-36VDC) DC power supply,
12VDC (9VDC-18VDC) DC power supply (DC power supply to be indicated when ordering).

Attention

DC power supply shall be indicated when ordering

● Error Precision

Clock error: ± 2 seconds / day

- **Working Environment [prohibited from working in flammable, corrosive]**

Working temperature: 0 °C 50 °C (avoid direct sunlight)

Relative humidity: 0 / 85R.H (without condensation)(forbidden to work in flammable and corrosive environment)

Altitude: < 2000m (other than special specifications).

- **Instrument Net Weight**

Net weight: ≤ 1.0 kg

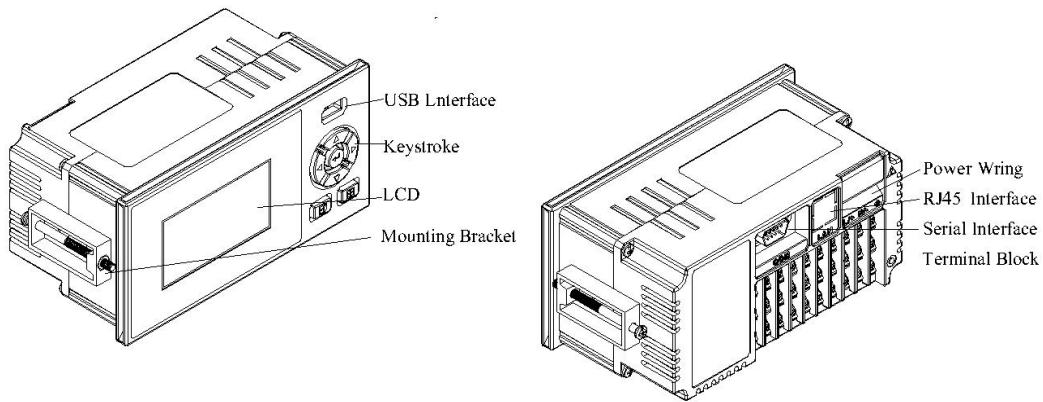
Attention

© The technical index is the general index of this series instrument, the function configuration please take the material object as the standard.

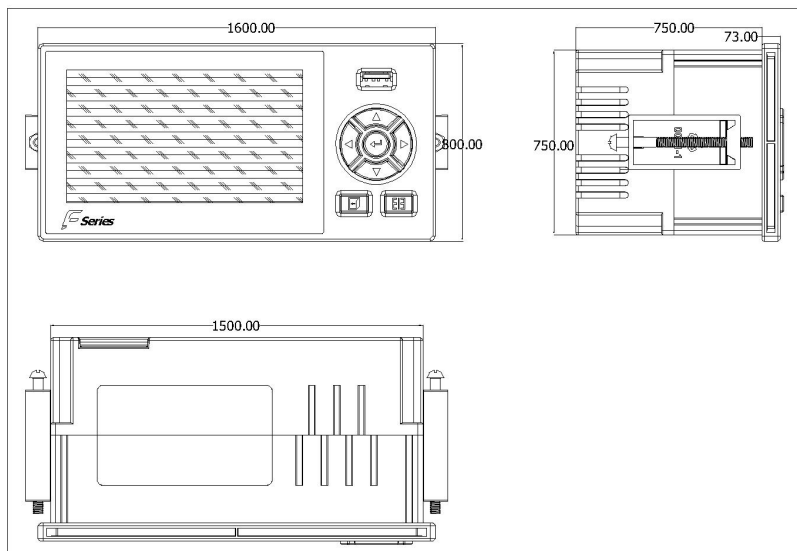
© If the technical index is inconsistent with the physical instrument , please take the object in kind .

Chapter 3 Installation Wiring

3.1 Instrument Structure

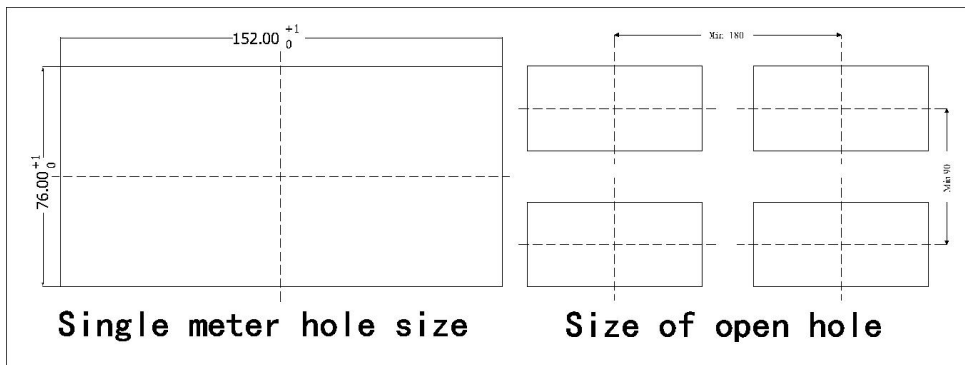


3.2 Instrument Dimensions



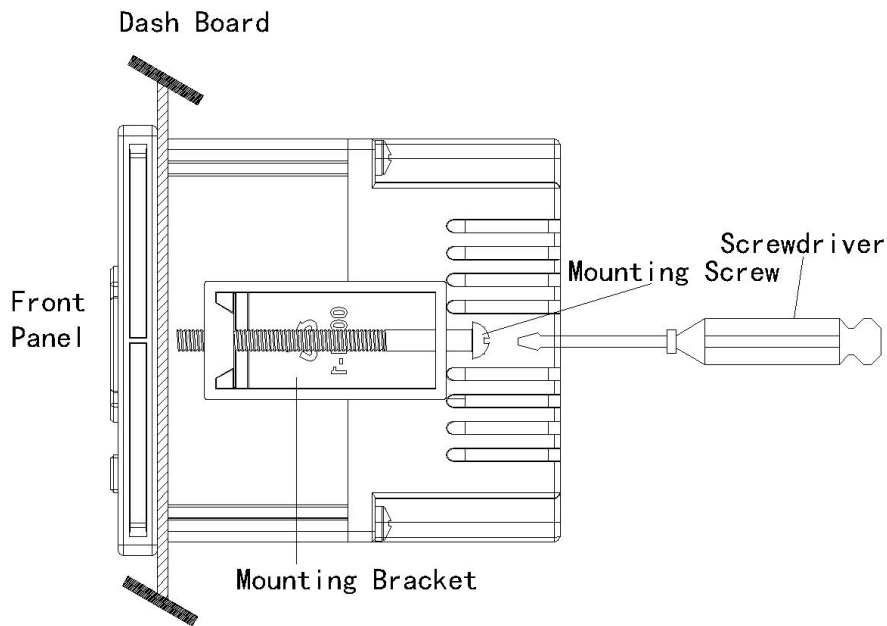
The above graphic unit: mm

3.3 Size Of Opening



When assembling the meter, refer to the minimum spacing between meters recommended in the above table to ensure the necessary heat dissipation and loading and unloading space.

3.4 Instrument Installation



Installation Method:

- ◎ Step 1: push the meter into the installation hole from the front of the mounting panel (please use the steel plate). The thickness of the mounting panel is (1.5 ~ 6.5) mm.
- ◎ Step 2: install the mounting bracket with the instrument as shown above (two supports on both sides of the instrument and M4 standard screw for the instrument panel mounting bracket).
- ◎ Step 3: after the meter body is installed, the signal line and power line can be connected.

3.5 Instrument Wiring

3.5.1 Wiring Methods

U-type voltage terminal with insulated sleeve (M 3.5 screw for power terminal and M 3 screw for signal terminal) is recommended.





In order to improve the safety of the instrument, please follow the following warning when wiring.

Attention

- ◎ To prevent electrical shock, make sure the power supply is cut off before connecting.
- ◎ To prevent fire, please use double insulated wires (lines with cross sectional area $\geq 1\text{mm}^2$; Insulated wire 600V; conductors with high voltage resistance and cross section $\geq 0.5\text{mm}^2$).
- ◎ Please set the air switch in the power supply loop to separate the table from the total power supply.
- ◎ Tighten the terminal screw firmly.
- ◎ After the power line is connected, the power supply should be connected to check whether the instrument is normal or not. Please do not connect the signal line until it has been confirmed that the instrument can work normally, and then disconnect the power supply and carry on the connection of the signal line.

- ◎ The measuring circuit and the power circuit need to be laid separately, the object of measurement should not be an interference source, once it is unavoidable, please insulate the measuring object from the measuring circuit, and grounding the measuring object.
- ◎ For electrostatic interference, the use of shielding lines is better.
- ◎ For the interference caused by electromagnetic induction, it is better to equip the measuring circuit with equal distance.
- ◎ If the input wiring is connected in parallel with other instruments, the measurement value will be affected. Be careful not to switch off the power supply of one of the instruments when you have to run in parallel. This will have a negative impact on other instruments. The thermal resistance cannot be paralleled in principle, and the current signal can not be parallel in principle.
- ◎ Platinum resistance input should be less than 10 Ω per lead resistance (lead resistance value is the same).

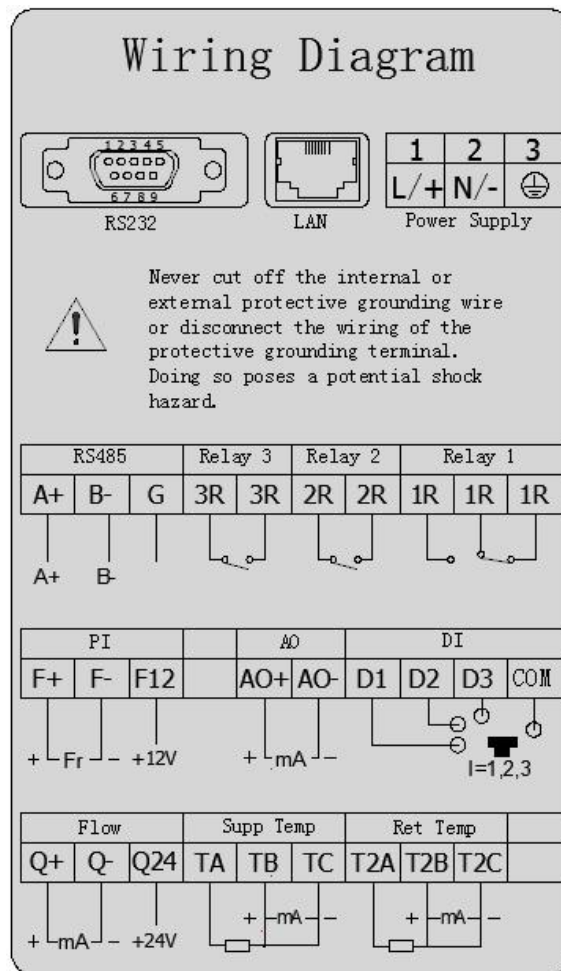
3.5.2 Terminal Description

Terminal name	Explain
L/+、N/-、  、+、-、NC	L is the AC power source phase line end, N is the AC power source zero end,  is the ground end, + is the DC power source positive end, - is the DC power supply negative end, the DC power supply, please indicate when ordering.
A+、B-、G	Signal transmitter and receiver of RS485,communication interface
1R,2R,3R	Relay output port 250VAC /3A@30VDC/3A
F+、F-、F12	Signal end of frequency flowmeter, signal end, 12VDC feed input end
AO+、AO-	The positive and negative end of the current output
Q+、Q-、Q24	Signal end of differential pressure flowmeter, signal end, 12VDC feed input end
TA、TB、TC	Analog input terminal of temperature supply channel (TA, TB, TC); Signal terminal (TB) and signal ground terminal (TC) of temperature transmitter
T2A、T2B、T2C	Analog input terminal of temperature return channel (T2a, t2b2, T2C); Signal terminal (T2b) and signal ground terminal (T2C) of temperature transmitter
COM	RS232C communication interface / serial port print interface (where 2 feet are RXD instrument signal receiving terminal and 3 pin is TXD instrument signal transmitter terminal 5 pin is signal ground end)
LAN	Ethernet RJ45 interface

Attention

Note: Touching the terminal while electricity are strictly prohibited

3.5.3 Wiring Diagram

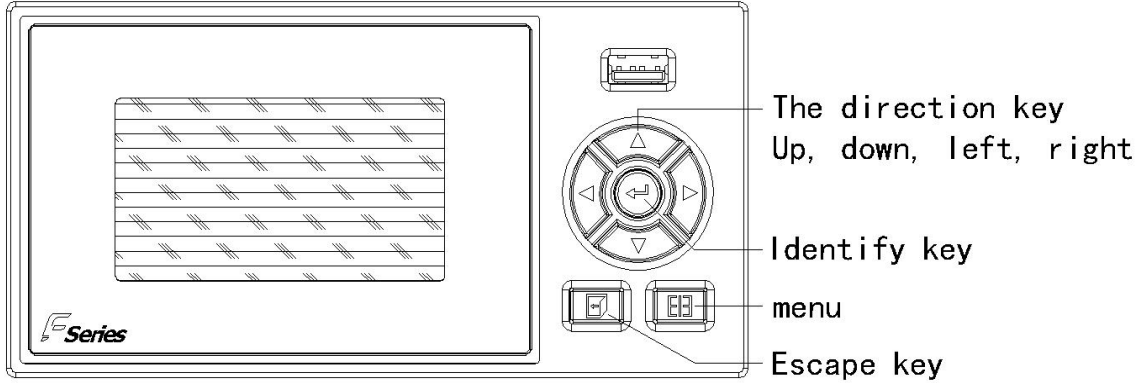


Attention

- ◎The power supply voltage at the project site shall be limited to the withstand voltage range of the instrument.
- ◎This machine often opens the factory by default, the other way to leave the factory please indicate when ordering.
- ◎Please do not plug and pull the communication cable, if you need to operate, do it after the power supply of the instrument is off.
- ◎If the wiring diagram is inconsistent with the physical instrument , please take the object in kind .

Chapter 4 Basic Operation and Running Picture

4.1 Instrument Keys

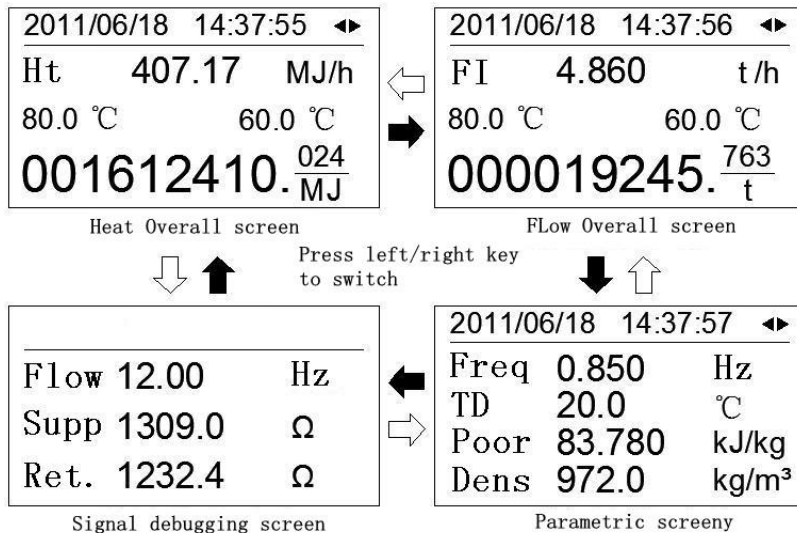


● Keyboard Function

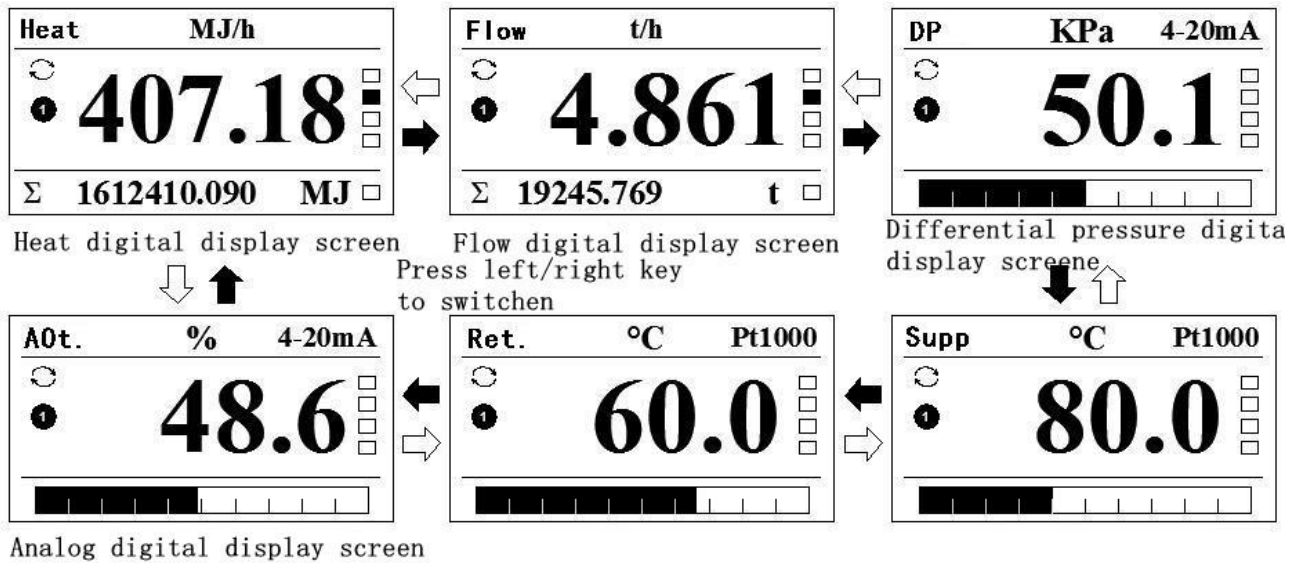
- Upward key: Switch to select or increase cursor data values, etc.
- Down key: Switch to select or reduce cursor values, etc.
- Left key: Switch channels or move the cursor forward, etc.
- Right key: Switch timescale or move back cursor, etc.
- Confirmation key: Perform cursor location function or edit cursor location data, etc.
- Escape Key: Exit the current screen.
- Menu key: Switch main display pages, etc.
- Escape+Menu Combination key: Hold down more than 1 second at the same time, enter the configuration Interface.

4.2 Status Markers

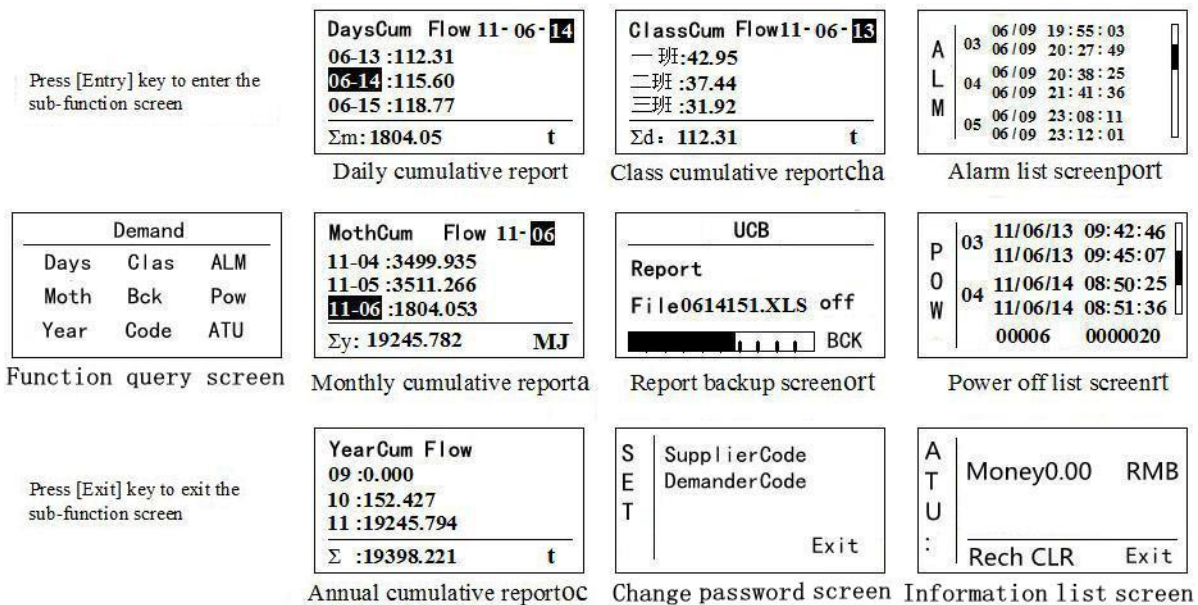
● Overview Appearance



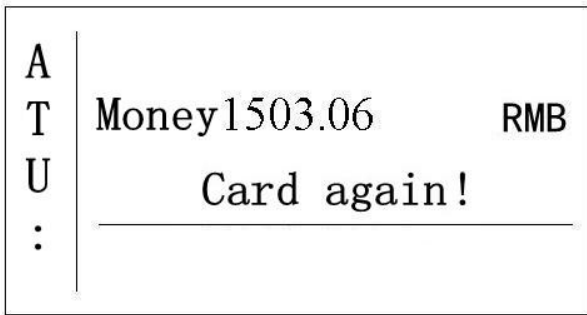
● Bar Graph Photo



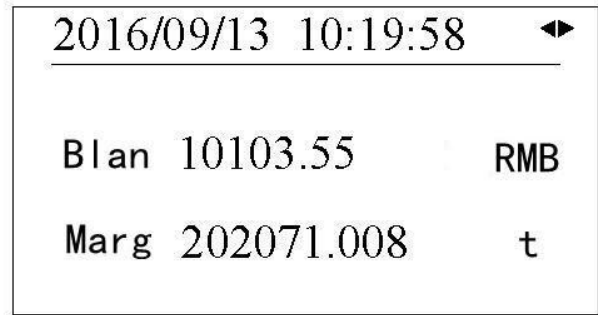
● Query interface



4.3 IC Card Recharge



IC card recharge screen



Balance screen

● Skype Groups:

©Step 1: In the operation interface, place the IC recharge card at the instrument press the keyboard, and the interface will display the amount recharge screen, and the displayed amount is the balance in the card.

©Step 2: Place the IC recharge card on the instrument and press the keyboard again, then the recharge is successful, the interface will display the internal balance and surplus, and the interface will automatically jump to the general appearance screen after staying for 3S.

Attention

During IC card recharge, the recharge amount cannot be changed arbitrarily. The recharge amount is the amount of the balance in the card. If the balance in the card shows 730.99 yuan, the recharge will be 730.99 yuan.

Chapter 5 Parameter Settings and Auxiliary

5.1 Configuration Login and System Configuration

Supplier Code : 00 00 00 Exit
--

Demander Code : 00 00 00 Exit
--

In order to prevent malicious modification of configuration, the instrument provides double password protection. The configuration screen can be entered only when the supplier's password and the demander's password are correct. The default initial password is 00 00 00 .

Config		
SYS	Flow	Heat
Sup	Ret	Oput
ALM	Comm	Chgs

Configuration screen

Time 11-06-18 14:40:29	
SCRN 0 S	
ATM 101.325 kPa	
SysMaint	Exit

System configuration

Configuration Login

◎At the same time, hold down [Menu] key and [Entry] key one second later, enter the configuration login screen, enter the correct password to enter the configuration screen, Then select the corresponding sub-configuration entry configuration settings, password errors can not enter the configuration screen, the picture description as shown in the figure.

◎The default initial password for operator permissions is 00 00 00.

System Configuration

◎Time: Set system date and time.

◎ Pass: administrator permissions login configuration to modify or view parameters of the unique password, the initial default 00 00 00.

◎Patr: cycle displays the time period value of each display combination screen.

◎SysMaint: The system maintenance function, such as [clear the power off list] or [clear the alarm list] or [restore the default setting]. Once system maintenance is confirmed, the data will be cleared or factory settings will be restored, the process will not.

◎ATM: atmospheric pressure.

Attention

© The operation and management password is the only password that can enter the configuration modification parameter. It is suggested that the user should modify the password as soon as possible after purchasing the instrument and keep it properly.

© Factory settings will initialize all configuration information and clear all stored data in the instrument, including historical data, power loss list, alarm list, etc.

5.2 Flow Configuration

Mode DP	DiffPres
Unit t/h	Medium
RGE 50.00	Num 3
K 1000.000	Auto
Cum.	Trad Exit

Differential pressure model

Mode Freque	Freque
Unit t/h	Medium
RGE 50.00	Num 3
K 10475.950	∫/m³
Cum.	Trad Exit

Frequency type model

Mode Linear	Linear
Unit t/h	Medium
RGE 50.00	Num 3
K 1.000	
Cum.	Trad Exit

Linear model

Type 4-20mA Sqrt Self
Unit KPa F 0 S
DF 1位 Adj 0.5
RGE 0.0 ~ 100.0
Cut 0.0 % Exit

Differential Pressure Configuration

Type Fr
Unit Hz
F 10.0 Hz
Cut 0.0Hz

Frequency configuration

Type 4-20mA
Unit m³/h F 0 S
DF 1 Adj 0.5
RGE 0.0 ~ 100.0
Cut 0.0 % Exit

Linear configuration

DesiFlow 6800 m³/h
DesiTemp 360.0 °C
K= 1450.915 UPD Back

CumuUnit t
ShifTime 0
ShifDura 8
CumValu 0.000
CLR Exit

ProtLow: 10.00 t/h
ProtLim 20.00 t/h
ProtFact 1.200
Next

© Mode:

© DP: difference pressure flow meter: $Q = K * \sqrt{\Delta P * \rho}$

K : Flow coefficient ΔP : Input differential pressure value ρ : Dielectric density

© Freque: Vortex Flow meter: $Q = 3600 * I_f * \rho / K$

K : Flow coefficient I_f : Vortex frequency ρ : Dielectric density

© Linear: Linear Flow meter: $Q = K * \rho * \Delta P$

K : Flow coefficient ΔP : Linear signal (volume value) ρ : Dielectric density

◎Diffpres/Freque/Linear:

◎Sqrt: Choosing whether the square-setting algorithm is computed locally.

◎ F: The setting of filtering time helps to improve the smoothness of the signal. The longer the filter time is, the smoother the signal is, but the slower the response is.

◎DP: the volume of the channel shows a decimal point.

◎Cut: When the measurement signal is small , the measurement error is relatively large , especially below 1 % , the accuracy will be greatly reduced , and the project will generally be zeroing , i.e . cutting off the small flow . When setting a certain percentage , the signal less than the range percentage is forced to be the lower limit of the range.

◎Flow K:

◎When the model is selected as [Diffpres], the coefficient of flow meter is:

$$K = \frac{Q}{\sqrt{\Delta P * \rho}}$$

◎When the model is selected [Freque], the unit of flow coefficient is time/m³ by default,and the unit and coefficient value of instrument coefficient are set to the unit and coefficient value of Flowmeter (if the Flow meter unit is time/L, the instrument coefficient = Flowmeter coefficient is 1000).

◎ When the model is selected [Linear], When the medium is not compensated,the volume upper limit is set to the flow value corresponding to the upper limit of linear signal, and the lower limit is set to 0.Both the flow and density takes part in the calculation, When the medium is compensated, the density takes part in the calculation, and the flow coefficient is calculated according to the calculation formula of linear Flowmeter.

◎Flow Unit:

m³/h, m³/min, m³/s, L/h, L/min, L/s, t/h, t/min, t/s, kg/h, kg/min, kg/s, km³/h,Nm³/h,kNm³/h

◎CumValu: Set the Cumulative Initial Value of Flow, the maximum can be set to 99999999.

◎Flow accumulation configuration

Cumulative unit: set cumulative flow unit; The unit is t and kg.

Shift time: set the start time and shift duration of the shift.

Initial value of flow accumulation: set the initial value of flow accumulation. Use this value to start accumulation after the flow accumulation [reset] function is executed.

◎ CLR:Cumulative Zero Clearing. Clear all previous accumulated data, including the cumulative value in the general picture/digital display screen, the class accumulation in the query screen, the daily accumulation, the monthly accumulation, the annual accumulation report, please operate with caution.

5.3 Heat Configuration

```

Type Heat
Unit MJ/h
Ran. 99999
SensPlac Supp
Cumul          Exit
Heat Configuration
  
```

☉Heat type:

Heat and cool

☉Heat Unit:

kJ/h、MJ/h、GJ/h、kCal/h、MCal/h、GCal/h、W、kW、MW、GW

☉Heat range: Set the instantaneous thermal energy range, transmission output, etc. use the range parameters, and the maximum support is 99999, 3 decimal places (i.e. 99.999)。

☉Sensor location: Set according to the sensor installation position. When installed on the temperature supply pipe, set it to [temperature supply], and the density is calculated according to the fluid density of the temperature supply pipe; When installed on the temperature return pipe, set it to [temperature return], and the density is calculated according to the fluid density of the temperature return pipe.

☉Heat accumulation configuration:

Heat accumulation unit: set the accumulated heat unit.

Initial value of heat accumulation: set the initial value of heat accumulation. Use this value to start accumulation after the flow accumulation [reset] function is executed.

Heat accumulation clearing: clear all previous accumulation data, including the heat accumulation value in the general appearance screen and the daily, monthly and annual heat accumulation reports in the list query.

5.4 Temp Configuration

```

Mode Ext   Type Pt1000
Unit °C    F      0 S
DF  1      Adj  0.0
RGE -99.9  ~ 850.0
Cut  0.0 %          Exit
external compensation
configuration
  
```

```

Mode Set
SetVal 60.0 °C
Exit
Given configuration
  
```

☉Mode: When the temperature supply / return compensation is input by an external sensor, the mode is [external compensation]. When it is given internally, the given temperature supply / return value needs to be set at [given value], and the mode can be selected by [up key] or [down key].

5.5 Output Configuration

```

Chnl 04  Type 4-20mA
REL  P

SignSour Null

Exit
    
```

Output Configuration

```

Chnl 04  Type 4-20mA
REL  N

SignSour Null

Exit
    
```

Output Configuration

©type: The output signal type selection of the transmission output channel.

©REL: under the positive action, the upper limit of the transmission range corresponds to the upper limit of the output current, the lower limit of the transmission range corresponds to the lower limit of the output current when the default range of transmission is positive, and the upper limit of the range of transmission corresponds to the lower limit of the output current under the counter action. The lower limit of the range corresponds to the upper limit of the output current.

©N: the upper and lower limits of the transmission and output range of the signal source channel [sampling channel] defined by the user.

©SignSour: The source sampling channel that specifies the output value of the current transmit output channel.

5.6 Alarm Configuration

```

A | Flow      Sup.
L | Cum Flow  Back
M | Heat      Freq
  | Cum Heat  Time
    
```

Alarm configuration

```

HH: 850.0 REL:
HI: 435.0 REL:
LO: 46.0  REL:
LL: -99.9 REL:
Diff : 1.0%      Exit
    
```

Alarm configuration
Instantaneous value class

```

FlowCumulative
AlarmHi : Off
REL : Nu

Exit
    
```

Alarm configuration
Cumulative class

© Alarm configuration contains alarm threshold, alarm contact, alarm return difference and other parameters, the parameters are described as follows:

© Alarm threshold: the threshold produced by the alarm, which must be within the range of the channel range. This instrument is divided into four categories: upper limit (HH), upper limit (HI), lower limit (LO) and lower limit (LL).

© Alarm Cont: relay number, such as contact 01 for relay 01, that is, R1(display in instrument screen) or K1 (display in instrument wiring mode).

© Alarm Dela: when the signal oscillates near the alarm threshold, the relay acts frequently, which sets a difference (lag) for the occurrence and release of the alarm.

5.7 Communication and printing configuration

Mode	PC	Addr	001
Stop	1B	CKS	Null
Baud	19200		
			Exit

Communication Configuration—PC

- ◎ **Mode:** including PC and printer two ways to enter the print configuration must first set the online mode as a printer to be effective.
- ◎ **Addr:** the communication address is used to distinguish when the instrument is made up of the network. It is the identity of the instrument in the network. The host computer software is used to access the instrument. The local address of the same communication network can be set between 001 and 255, and it can not be repeated.
- ◎ **Baud:** when the communication mode is 'printer' mode, baud rate can not be changed. PC ways, baud rate can be changed(1200、4800、9600)
- ◎ **CKS:** no check / odd check / even check, default odd check.
- ◎ **Stop:** 2 bit / 1 bit, default 2 bit.

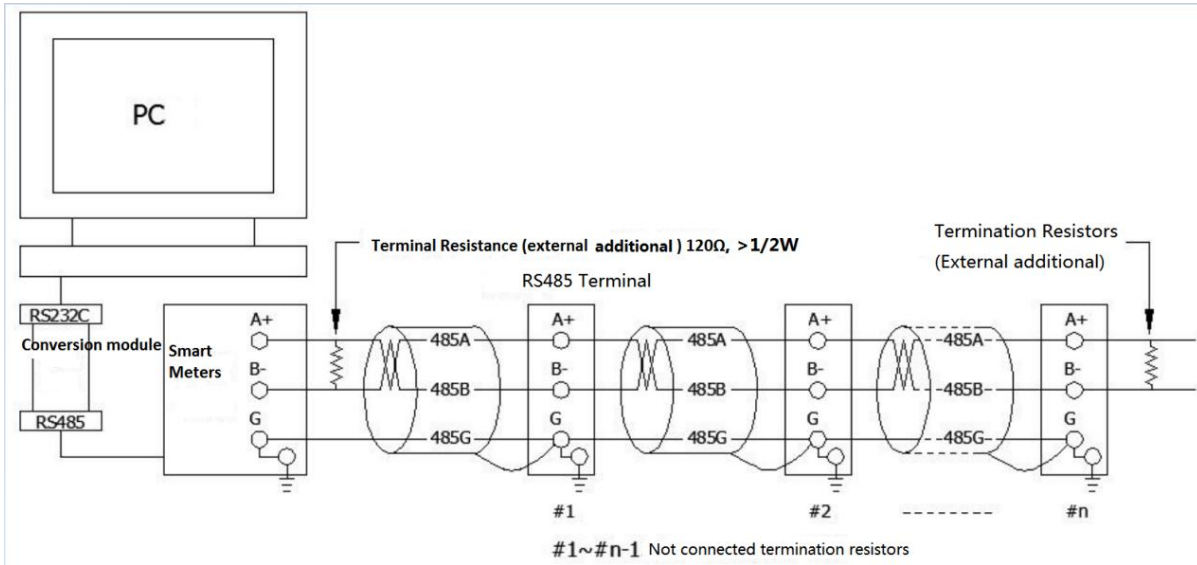
Print Configuration

◎ The printing interval can be adjusted by setting the [interval] parameter. Every time the instrument reaches the printing interval, it will automatically start printing. The printing function is a customized function. The relevant functions can be opened only after ordering this function.

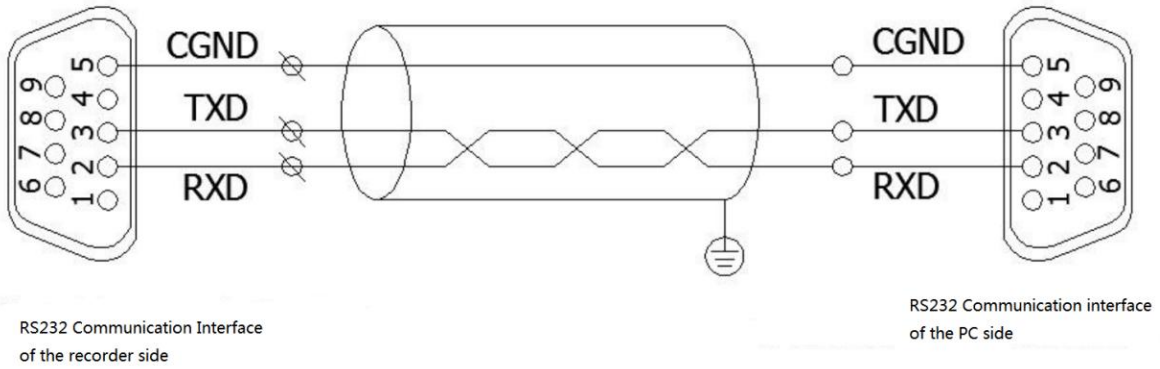
Attention

- ◎ The printing configuration can be valid under the [printer] communication mode [the customer needs to configure the printing function].
- ◎ If the printer is not powered on or offline, the instrument does not respond when executing the printing function. At this time, the user should check the printer power supply and status indicator to see whether each status is correct and whether the printing paper is installed in place. If it cannot print normally, please check the printer settings (baud rate, data format, serial and parallel port settings, etc.).

©RS485 connection mode



©RS232 connection mode



Chapter 6 Fault Analysis and Troubleshooting

The paperless recorder adopts advanced production technology and carries out strict test before leaving the factory, which greatly improves the reliability of the instrument. Common failures are generally caused by improper operation or parameter setting. If you find a failure that can not be handled, please record the failure and contact us in time. The following are some troubleshooting and handling measures for this instrument in its daily application:

Fault Phenomenon	Cause Analysis	Solution
The recorder not working with electricity	<ul style="list-style-type: none"> ① Poor contact with power cord ② Power switch is not closed 	Check power supply
The signal display does not match the actual situation	<ul style="list-style-type: none"> ① Signal setting error in configuration ② wiring error 	<ul style="list-style-type: none"> ① Inspection configuration ② Check signal line
Alarm Output Abnormal	<ul style="list-style-type: none"> ① Alarm limit setting error ② Alarm points shared by other channels 	<ul style="list-style-type: none"> ① Reset the limit ② Cancel other alarm points
Problems in distribution output	<ul style="list-style-type: none"> ① Transmitter and instrument wiring error ② Power distribution with multiple transducers exceeding the standard distribution of this instrument ③ Interference between digital and analog signals during distribution 	<ul style="list-style-type: none"> ① Correct wiring ② Use external voltage stabilizer to supply power ③ Use independent power supply
USB Transfer Failure	<ul style="list-style-type: none"> ① Incorrect start and end time settings ② U disk format is incorrect ③ U disk incompatibility ④ Insufficient spare space on U disk ⑤ Misoperation during backup 	<ul style="list-style-type: none"> ① Setting time correctly ② Format U disk to FET32 ③ Use a genuine compatible U disk ④ Use larger capacity U disk or clear redundant files in U disk. ⑤ proper operation
No data or abnormal display in USB transfer file	<ul style="list-style-type: none"> ① No data for the time period selected by the user ② User changed system time ③ User changed signal type ④ The user sets the record interval too big, but the backup time is very short ⑤ U disk incompatibility ⑥ The time period of the data is too long, which exceeds the maximum read time domain of the upper computer software. 	<ul style="list-style-type: none"> ① Select the time to have a data segment ② » Erasing the primary data area ③ No impact on data recording ④ Record interval is set to be small or backup time is longer ⑤ Use a genuine compatible U disk ⑥ The time period for backing up the data is smaller, piecewise and batch backup
Variable output Problem	<ul style="list-style-type: none"> ① Variable output 	<ul style="list-style-type: none"> ① Check the signal source