Datasheet

LCD Flow (Heat) Totalizer

SUP-2600

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Datasheet

LCD Flow (Heat) Totalizer
SUP-2600

LCD flow totalizer is mainly designed for trading discipline between supplier and customer in regional central heating, and calculating steam, and high precision flow measurement. It's a full-functional secondary instrument based on 32-bit ARM micro-processor, high-speed AD and large-capacity storage. The instrument has fully adopted surface-mount technology.

Applications

- Liquid cumulative flow measurement
- General gas cumulative flow measurement
- Superheated steam cumulative flow measurement
- Saturated vapor cumulative flow measurement

SUP-2600

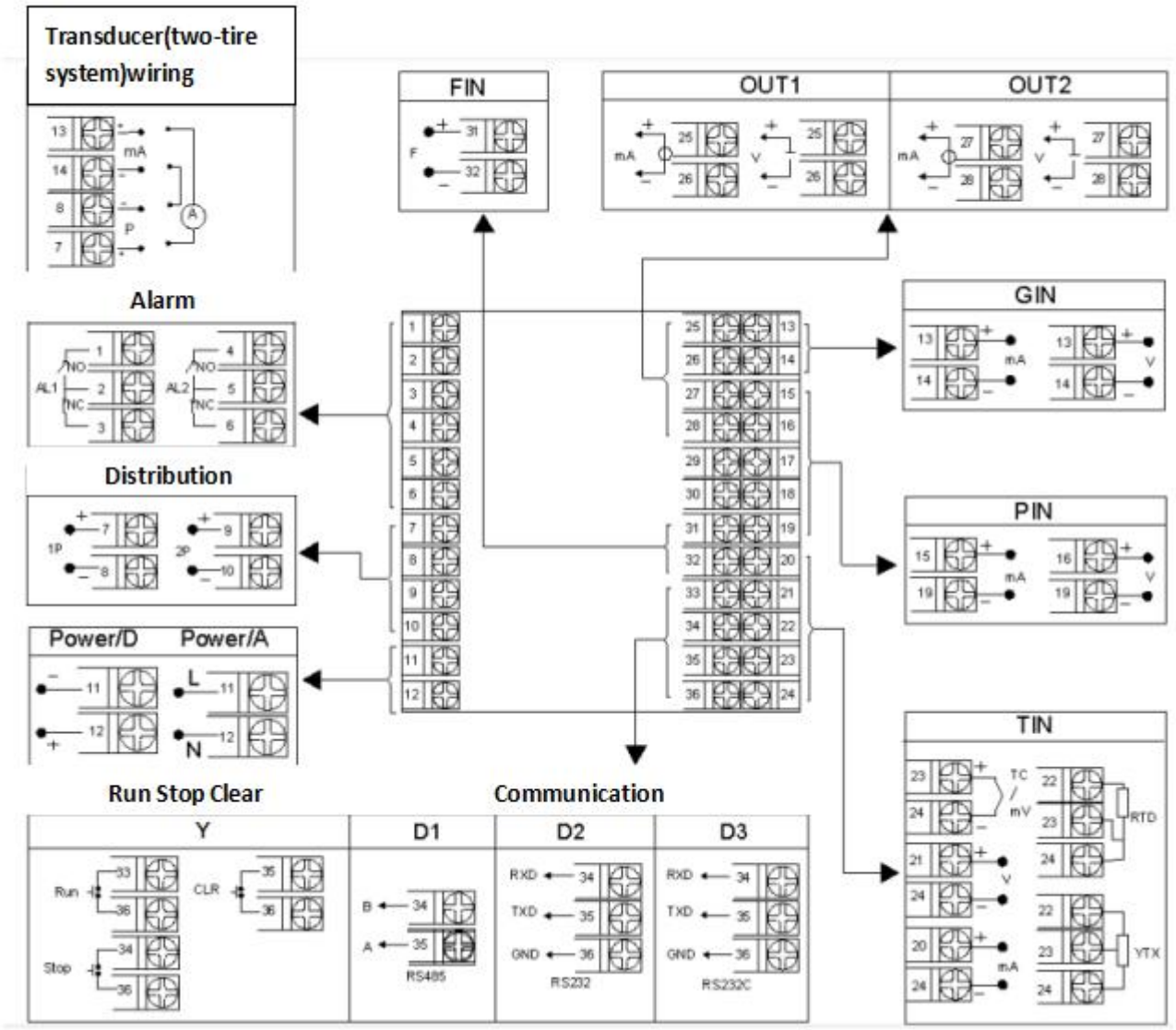
Features

- Automatic calculation and accumulation of flow and mass
- Simultaneous display of instantaneous flow measurement value and flow cumulative value
- Switch to display the instantaneous flow measurement value, time, the current cumulative value, the entire eleven-digit flow total cumulative value, flow input value, pressure compensation input value, temperature compensation input value
- When the instantaneous flow value is less than the set value, it will be displayed as 0
- Set flow quantitative control function
- Automatic temperature and pressure compensation

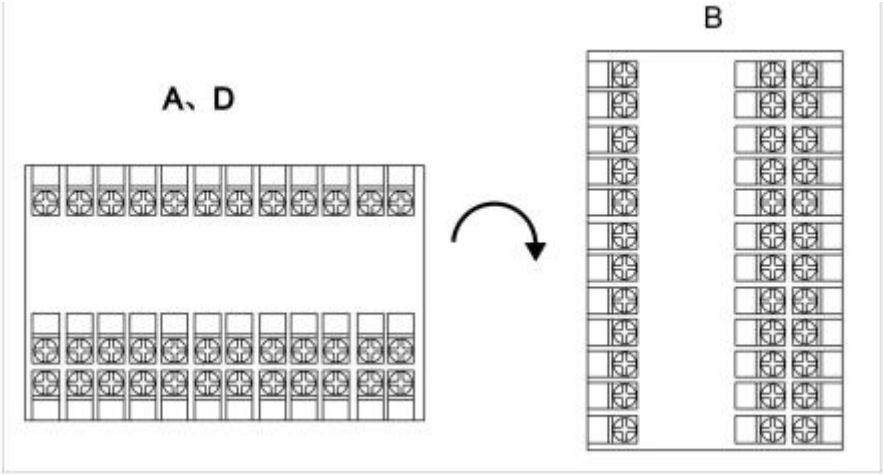
Input				
Input signal	Current	Voltage	Resistance	Couple
Input resistance	≤250Ω	≥500KΩ		
Input current maximum limit	30mA			
Input voltage maximum limit		＜6V		
Output				
Output signal	Current	Voltage	Relay	24V distribution
Allowable load at output	≤500Ω	≥250KΩ	AC220V/2A DC24V/2A	≤30mA
Parameters				
Accuracy	0.2%FS			
Setting	Panel touch key digital setting Parameter setting value password lock The set value is permanently saved when the power is turned off			
Use environment	Temperature:0-50℃ Relative humidity:≤85%RH Avoid strong corrosive gas			
Power supply	AC 100～240V； 50～60Hz；DC 12～36V			
Power consumption	≤6W			
Display	0～99999 instantaneous flow value display			
	0～99999999.999 accumulated value display			
	-1999～9999 temperature compensation display			
	-1999～9999 pressure compensation display			
	-1999～9999flow measurement value display			
	Current time display, LED working status display			
Structure	Standard snap-in			
Communication	Adopt standard MODBUS communication, RS485 communication distance up to 1 km, RS232 communication distance up to 15 meters			

Parameters Pn Lookup Table					
Degree no .Pn	Signal types	measuring range	Degree no .Pn	Signal types	measuring range
0	Thermocouple B	400～1800℃	18	Remote Resistance 0～350Ω	-1999～9999
1	Thermocouple S	0～1600℃	19	Remote Resistance 30～350Ω	-1999～9999
2	Thermocouple K	0～1300℃	20	0～20mV	-1999～9999
3	Thermocouple E	0～1000℃	21	0～40mV	-1999～9999
4	Thermocouple T	-200.0～400.0℃	22	0～100mV	-1999～9999
5	Thermocouple J	0～1200℃	23	-20～20mV	-1999～9999
6	Thermocouple R	0～1600℃	24	-100～100mV	-1999～9999
7	Thermocouple N	0～1300℃	25	0～20mA	-1999～9999
8	F2	700～2000℃	26	0～10mA	-1999～9999
9	Thermocouple Wre3-25	0～2300℃	27	4～20mA	-1999～9999
10	Thermocouple Wre5-26	0～2300℃	28	0～5V	-1999～9999
11	RTD Cu50	-50.0～150.0℃	29	1～5V	-1999～9999
12	RTD Cu53	-50.0～150.0℃	30	-5～5V	-1999～9999
13	RTD Cu100	-50.0～150.0℃	31	0～10V	-1999～9999
14	RTD Pt100	-200.0～650.0℃	32	0～10mA square	-1999～9999
15	RTD BA1	-200.0～600.0℃	33	4～20mA square	-1999～9999
16	RTD BA2	-200.0～600.0℃	34	0～5V square	-1999～9999
17	Linear resistance 0～500Ω	-1999～9999	35	1～5V square	-1999～9999

Wiring

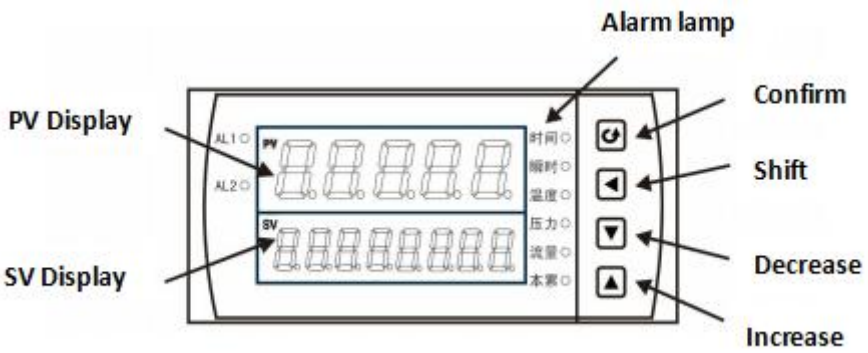


A,B,C,D Wring



The direction of the wiring terminals on the rear cover of the horizontal and vertical meters is different, see the figure above

Dimension



Dimension	Hole Size
160*80mm	152*76mm
80*160mm	76*152mm
96*96mm	92*92mm
96*48mm	92*45mm

Ordering code

SUP-2600-M1-IT3-DS1-O1T1-D0-O2T0-A1-DO1-V2	Description
SUP-2600 - - - - - - - - - - - - - -	
Type M1	/
Type M2	Temp and pressure compensation
Type M3	Heat
Signal input IT3	3 channel signal input
Dimension DS1	160×80×110mm
Dimension DS2	80×160×110mm
Dimension DS3	96×96×110mm
Dimension DS4	96×48×110mm
The first output signal type O1T0	/
The first output signal type O1T1	4-20mA
The first output signal type O1T2	0-20mA
The first output signal type O1T3	0-10mA
The first output signal type O1T4	（1～5）V
The first output signal type O1T5	（0～5）V
The first output signal type O1T6	（0～10）V
Communication D0	/
Communication D1	RS485
Communication D2	RS232
Communication D3	RS232C Print
Communication D4	Run, stop, clear
The second output signal type O2T0	/
The second output signal type O2T1	4-20mA
The second output signal type O2T2	0-20mA
The second output signal type O2T3	0-10mA
The second output signal type O2T4	（1～5）V
The second output signal type O2T5	（0～5）V
The second output signal type O2T6	（0～10）V
Relay output A0	/
Relay output A1	1 Channel
Relay output A2	2 Channel
Distribution output DO0	/
Distribution output DO1	1 Channel
Distribution output DO2	2 Channel
Power supply V1	24VDC
Power supply V2	220VAC