



Paperless Recorder

Datasheet

SUP-R4000D/SUP-R6000D

This version is suitable for two models, the only difference is that SUP-R4000D is blue screen

SUP-R6000D is featured with outstanding performance and easy operating Function along with high visibility Color LCD display, universal inputs with high speed of sampling rate and accuracy. Measured data is stored into memory and can be analyzed on PC through communication.

Basic Functions

- Up to 16 channels of universal input
- UP to 12 Alarm Output Relays
- With 24V Power distribution Output
- Communication type: RS485, RS232C.
- With a USB data transfer interface



Display & Operation

- Multiple display Function : choose the display your way
- Use date and time calendar search functions to Review historical data .
- 5.6 inch TFT color LCD (320 x 240pixels)

Reliability and Security

- Dust- and splash-proof front panel
- Power Fail Safeguard: All the data stored in Flash memory, make sure that all the historical data and configuration parameters will not lost when power fail. Real time clock power supply by lithium batteries.

Data Acquisition Software

- Software for varieties of tasks : analysis, settings, and acquisition

Power supply

- Voltage range: 220VAC or 24VDC
Frequency: 50Hz \pm 1%

Normal operating condition

- Temperature: 23 \pm 2°C
Humidity: 55% \pm 10%RH

SPECIFICATIONS

• Construction

Mounting: Flush panel mounting (on a vertical plane)
 Mounting may be inclined downward up to 30 degrees from a horizontal plane.

Allowable Panel Thickness: 2 to 26 mm
 Front Panel: Water and dust-proof

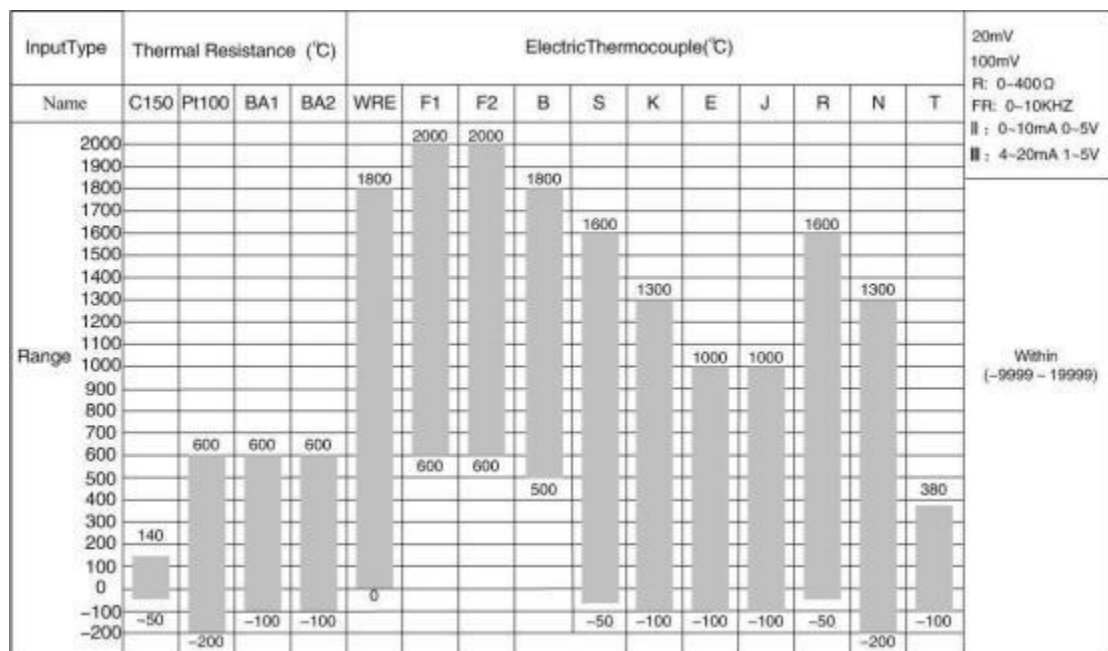
• Input specifications

Number of Inputs: 1~16channels
 Measurement Interval: 1s,2s,3s.....1h
 Sampling rate: 1s

Input Type:

Input Mode	Signal Type
DC current	0-10mA 4-20mA
DC voltage	0-20mV 0-100mV 0-5V
Resistance	0 - 400Ω
Thermocouple	S, B, K, T, E, J, R, N, F1, F2, WRE
RTC	PT100, Cu50, BA1, BA2
frequency	0 - 10000Hz

Input Range and Measurable Range:



Display

1. Overview screen

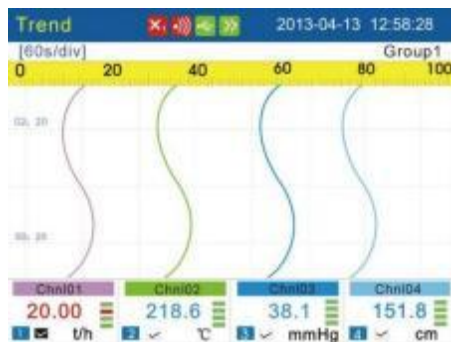


2. Bar Graph Display



2. Trend screen

Trend display (Vertical)

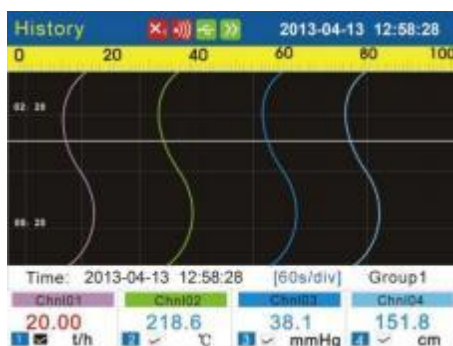


Trend display (Horizontal)

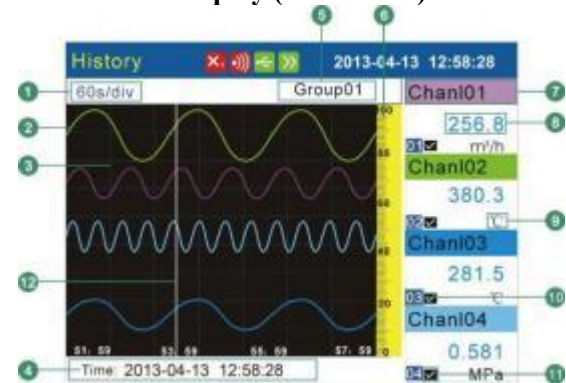


3. History screen

Trend display (Vertical)



Trend display (Horizontal)



5. Alarm summary

Chn1	Start	Stop	Type
01	2013-03-15 10:12:43	2013-03-15 10:12:44	LL
02	2013-03-15 10:12:45	2013-03-15 10:12:46	L
04	2013-03-15 10:12:47	2013-03-15 10:12:48	LL
03	2013-03-15 10:12:49	2013-03-15 10:12:50	L

6. Report

Report-Hourly			2013-04-13 14:11:26
01:00:00	09:00:00	17:00:00	
02:00:00	10:00:00	18:00:00	
03:00:00	11:00:00	19:00:00	
04:00:00	12:00:00	20:00:00	
05:00:00	13:00:00	21:00:00	
06:00:00	14:00:00	22:00:00	
07:00:00	15:00:00	23:00:00	
08:00:00	16:00:00	00:00:00	
Σ 3.69			Daily Sum : 0.00

Storage Function

External Storage Media and Internal Memory

The capacity of the internal memory for acquiring display data is 6 MB.

Various data can be saved to the U disk. The capacity is from 256MB to 1GB.

Scan Interval and Saving Interval

The scan interval of signal is fixed at 1s. The measuring and computing are completed in every scan interval. Display data is generated by these data.

All measured or computed data sampled can be saved to internal memory by saving interval.

Saving Data to Internal Memory

The display data are saved to internal memory continuously by saving interval.

If the instrument is unplugged, the data that lost while unplugged will be complemented

Analog Output Function

Transmitter Output

The signal type of transmitter output is 4-20mA. The instrument provides 4 channels transmitter output. The maximum load of each channel can be drover is 750 Ω

Communication Function

RS232C/RS485 Interface

RS232C or RS485 can be select when the instrument communicates with PC.

By using the MODBUS - RTU protocol, measured/computed data written to the instrument's input register can be read by the PC.

The OPC software also provides for users, you can use it to connect the general HMI software like iFix, inTouch.Etc.

Ordering code

SUP-R6000D-01-1A-00-02-R1-0-E0													Description	
SUP-R6000D	-	-	-	-	-	-	-	-	-	-	-	-	-	
	01													1
	02													2
	04													4
	06													6
Input Channel	08													8
	10													10
	12													12
	16													16
	XX													Other
		00												None
		1A												1 Channel 4-20mA
Transmitter Output		2A												2 Channels 4-20mA
		4A												4 Channels 4-20mA
		XX												Other
			00											None
			1A											1 Channel 4-20mA
PID			2A											2 Channels 4-20mA
			4A											4 Channels 4-20mA
			XX											Other
				00										None
				01										1 Channel
				02										2 Channels
				04										4 Channels
SPST Relay Output				06										6 Channels
				08										8 Channels
				10										10 Channels
				12										12 Channels
				XX										Other
					00									None
					R1									RS485
					R2									RS232
					R3									RS232 Printer Interface
Communication Output					Y0									Ethernet
					Y1									RS485+Ethernet
					Y2									RS232+Ethernet
					Y3									RS232 Printer Interface+Ethernet
						0								None
						B								Flow Accumulation
Operational Function						C								Temperature-Pressure Compensation + Flow Accumulation

Power Supply and Distribution Output	E1					220VAC, 1 Channel 24VDC
	E0					220VAC, None
	E2					220VAC, 2 Channels 24VDC
	E4					220VAC, 4 Channels 24VDC
	C1					24VDC, 1 Channel 24VDC
	C0					24VDC, None
	C2					24VDC, 2 Channels 24VDC
	C4					24VDC, 4 Channels 24VDC

Note:

1. Isolated Universal Input, 144mm×144mm, 16GB USB Disk
2. Transmitter Output + PID ≤ 4 Channels
3. Temperature-Pressure Compensation supports up to 12 channels at most.

Supmea



Supmea

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