



Paperless Recorder

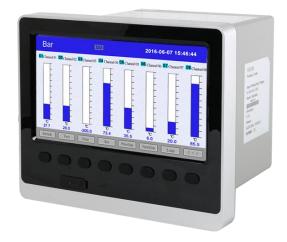
Datasheet

SUP-R6000C

Add: 5th floor, Building 4, Singapore-Hangzhou Science & Technology Park, Hangzhou,China SUP-R6000C 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 trough communication.

Basic Functions

- •Up to 48 channels of universal input
- •UP to 18 Alarm Output Relays
- •With 24V Power distribution Output
- •Communication type: RS485, RS232C.
- •With a USB data transfer interface



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Display & Operation

- •Multiple display Function : choose the display your way
- •Use date and time calendar search functions to Review historical data .
- •7 inch high brightness color graphics and color LCD (800 * 480pixels)

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: AC $85 \sim 264$ V (power supply of the switches), 50/60 Hz; DC12 ~ 36 V (power supply of the switches);

Normal operating condition

•Temperature : $-10 \sim 50^{\circ}$ C Humidity : $10 \sim 90\%$ RH(without condensation of moisture)

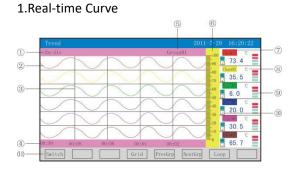
Technical Specification

Input measurem	nent						
	Current: 0 ~ 20 mA, 0 ~ 10 mA, 4 ~ 20 mA, 0 ~ 10 mA SQRT, 4 ~ 20 Ma SQRT						
Input signal	Voltage: 0 ~ 5 V, 1 ~ 5 V, 0 ~ 10 V, ±5 V, 0 ~ 5 V SQRT, 1 ~ 5 V SQRT, 0 ~ 20 mV,						
	0 ~ 100 mV, ±20 mV, ±100 mV						
	Thermal resistance: Pt100, Cu50, Cu53, Cu100, BA1, BA2						
	Linear resistance: 0 ~ 400 Ω						
	Thermocouple: B, S, K, E, T, J, R, N, F2, Wre3-25, Wre5-26						
Output							
	Analog output:						
	4 ~ 20 mA (load resistance \leq 380 Ω), 0 ~ 20 mA (load resistance \leq 380 Ω						
	0 ~ 10 mA (load resistance ≤ 760 Ω), 1 ~ 5 V (load resistance ≥250 K Ω),						
	0 ~ 5 V (load resistance ≥250 KΩ), 0 ~ 10 V (load resistance ≥10 KΩ)						
	Alarm output: normally open relay contact output, where the contact						
	capacity is 1 A/250 VAC (resistive load)						
	(! Note: Please do not carry load directly in case the load exceeds the						
Output signal	contact capacity of relay.)						
	Feed output: DC24 V ± 1, load current ≤ 250 mA						
	Communication output: RS485/RS232 communication interface, 1,200						
	57,600 bps baud rate (able to be set); standard MODBUS RTU communication						
	protocol is adopted; the communication distance of RS-485 can be as long as						
	1 kilometer; the communication distance of RS-232 can be as long as 15 m						
	EtherNet communication interface is adopted, where the communication						
	speed is 10 M.						

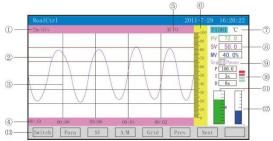
comprehensive parameters							
Measurement	0.2% FS ± 1d						
accuracy							
Sampling period	1 s						
Satting mode	The button is set in the form of panel soft touch; set values of parameters are						
Setting mode	locked with passwords and will be saved permanently in case of outage.						
	7-inch 800 * 480 dot-matrix widescreen TFT high brightness color graphics						
	and LCD display; LED backlight; with clear pictures and wide visual angle.						
Display method	Display contents can be composed of characters, figures, conditional curves,						
	bar graphs, etc.; through panel button, page turning, forward and backward						
	search of historical data, time scale change of curves, etc. can be realized.						
	Data backup and conversion storage of USB flash disk and SD card are						
Data backup	support, where the maximum capacity is 8 GB; FAT and FAT32 formats are						
	supported.						
Storage capacity	The capacity of the internal Flash memory is 64 M Byte.						
Recording interval	Nine options including 1, 2, 4, 6, 15, 30, 60, 120 and 240 s can be selected.						

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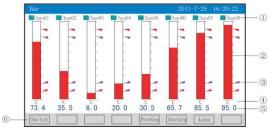
Display



2. Real-time control

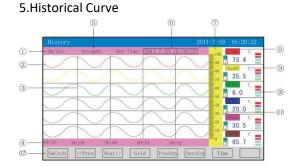


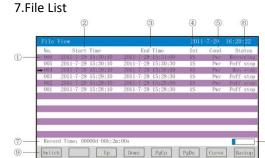




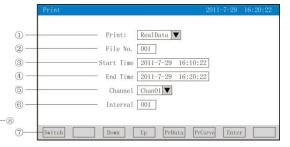
4. Digital Display

	Overview	1-7-29 16:20:22			
	Chan01	Chan02	Chan03	Chan04	
2—	-73.4	35.5	6. 0	20.0	-3
	Chan05	Chan06	Chan07	Chan08	
	30. 5	65. 7	85. 5	95. 0	(4)
	Chan09	Chan10	Chan11	Chan12	
	80.0	100. 1	70.5	15.3	
5	- Switch Twelve	Sixteen TwenFour	PrevGrp NextGrp	Loop <->	





8.Menu for Printing



Storage Function

Data backup	Data backup and conversion storage of USB flash disk and SD card are					
	support, where the maximum capacity is 8 GB; FAT and FAT32 formats are					
	supported.					
Storage capacity	The capacity of the internal Flash memory is 64 M Byte.					
Recording interval	Nine options including 1, 2, 4, 6, 15, 30, 60, 120 and 240 s can be					
	selected.					
Storage length	24 days (1 s interval) – 5825 days (240 s interval)					
(continuous record	Calculation formula: recorded time (day)					
without	64 * 1,024 * 1,024 * recording interval (S)					
power-off)	_ channel number * 2 * 24 * 3,600					
	(! Note: For calculation of channel number, the program divides the					
	channel number into five options, namely 4, 8, 16, 32 and 64, and the					
	bigger figure should be regarded as the channel number for calculation in					
	case the channel number of the instrument is between the said two					
	options. For example: If the channel number of the instrument is 12, then					
	16 should be adopted in the formula.)					

Alarm Output Function

Max 18 channel alarm output, normally open relay contact output, where the contact capacity is 1 A/250 VAC (resistive load)

(! Note: Please do not carry load directly in case the load exceeds the contact capacity of relay.)

Communication Function

RS485/RS232 communication interface, $1,200 \approx 57,600$ bps baud rate (able to be set); standard MODBUS RTU communication protocol is adopted;

Ordering code

SUP-R6000C Paperless recorder									
Model	Form								Specification
	60	_C		_		_		_	No.
		2							2 channel input
SUP-R		4							4 channel input
		:							:
		48							48 channel input
			0						None
Alarm			2						2 channel alarm output
output			4						4 channel alarm output
e mp m			:						:
			18						18 channel alarm output
Commun				Т0					None
ication				T1					RS-232
				T2					RS-485
Power					P0				None
distribution					P1				1 channel
						A0			None
Analog						A1			1 channel analog output
output						A2			2 channel analog output
						A4			4 channel analog output
USB connection							0		None
							1		Yes
Power								Α	AC85~264V
supply								D	DC12~36V

Note:Total number of analog output and alarm output channels is less than 18



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China			

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