

Color Paperless Recorder YB02



YB02 series color paperless recorder has 12-channel universal input (configurable selective input: standard voltage, standard current, thermocouple, thermal resistance, millivolt,etc.). It can be equipped with 12-channel alarming output or 6-channel transmitted output of analog quantity,RS485communication interface, Ethernet interface, micro printer interface and USB interface,SD card socket; It can provide power distribution for sensor; It has powerful display function, real-time curve display, historical curve recall, and bar chart display, alarming list display, etc. The characteristics of humanized appearance design,perfect function,reliable hardware quality and exquisite manufacturing technology render the instrument a higher performance-price ratio.

Specifications

Measurement inputs	
Inputs signals	<p>Current:0~20mA,0~10mA,4~20mA,0~10mAradication,4~20mAradication</p> <p>Voltage:0~5V,1~5V,0~5Vradication,1~5Vradication,0~100mV, ±20mV, ±100mV</p> <p>Thermal resistance: Pt100, Cu50, Cu53, Cu100, BA1, BA2</p> <p>Linear resistance: 0~400Ω</p> <p>Thermal resistance: B,S, K, E, T, J, R, N, F2, Wre3-25, Wre5-26</p>
Output	
Output signals	<p>Analog output:4~20mA(Loadresistance≤380Ω), 0~20mA (Loadresistance≤380Ω),0~10mA (Load resistance≤760Ω), 1~5V(Load resistance≥250KΩ),0~5V(Load resistance≥250KΩ),0~10V(Load resistance≥10KΩ)</p> <p>Alarming output: Relay normally open contact output,the contact's capacity 1A/250VAC (resistive load).(!Note:when the load exceeds the contact's capacity of the relay, please do not carry with load directly)</p> <p>Feed output: DC24V±10%, Load current≤200mA</p> <p>Communication output:RS485/RS232 communication interface,baud rate of 1200-57600 bps can be set,using the standard MODBUS RTU communication protocol,RS485 communication distance can reach 1km;RS232 communication distance can reach 15m;The EtherNet communication interface, the communication rate is10M.</p>
Comprehensive parameters	
Accuracy of measurement	0.2%FS±1d
Display refresh cycle	1second

Setting mode	The panel touch button is set;The parameter's setting value is locked in password; The setting value is cut off for permanent storage.
Display mode	With 7inch 800*480 dot matrix wide screen and TFT high brightness color graphics LCD display, LED backlight, clear screen, wide viewing angle. The display content can be composed of Chinese characters,numbers, process curves, bar charts,etc. Through panel keys, the screen can be paged up and down,the search of historical data before and after,the change of curve time scale,etc.
Data backup	Support Flash and SD card for data backup and transfer,with the maximum capacity of 8GB, supporting FAT, FAT32 format.
Memory capacity	The memory capacity of internal Flash: 64M Byte
Recording interval	1,2,4,6, 15, 30,60, 120,240 seconds,totally 9 gears,are available for selection.
Memory length (UPS Continuous recording)	24 days(while the interval is 1 second)—5825 days (while the interval is 240 seconds) $\text{Formula: Recording duration(day)} = \frac{64 \times 1024 \times 1024 \times \text{Recording interval(s)}}{\text{No of channels} \times 2 \times 24 \times 3600}$ (!Note:Calculation of the number of channels:The program divides the number of channels into 5 gears,that is, 4, 8, 16. When the number of instrumentation channels falls between the two gears,the larger number is used as the number of channels. For example,the number of instrument channels is 12-channel,and the number of channels is calculated with 16 in the formula.
Operating environment	Ambient temperature:-10~50°C Relative humidity: 10 ~ 90%RH (RH); avoid strong corrosive gases. (! Note: In case the site is in bad condition,special instructions must be made when ordering.
Working power supply	AC85 to 264V (switching power supply), 50/60Hz
Power Consumption	≤15W