

PLR9600 Temperature Pressure Flow Battery Color display 1-18 channels paperless recorder

MAIN FEATURES

- 1-18 channel optional multi-function signal input
- Supporting record temperature, temperature and humidity, pressure, electricity, frequency and other signals
- Supporting upper limit, upper limit, lower limit, lower limit 4 types of alarm settings
- 4 way alarm output, 1 way analog output, 1 way power distribution output optional
- 1 second - 60 minutes recording interval setting, data will never be lost
- A variety of data representations, digital display, bar graph, curve
- U disk storage, support computer reading, statistical data



SPECIFICATION

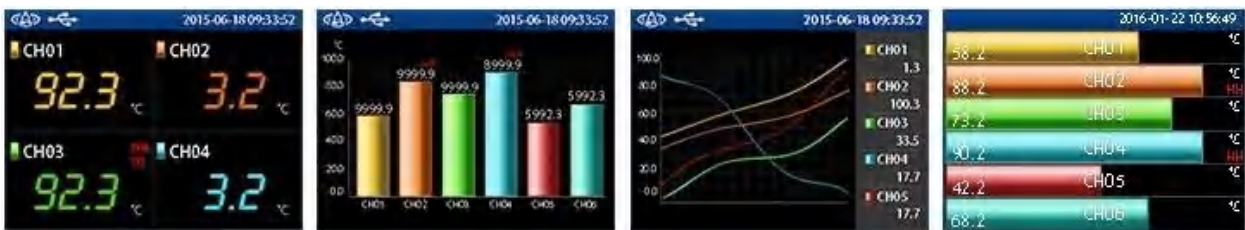
Item	Parameter
Display screen	3.5-inch 320*240 high-resolution OLED LCD
Number of channels	1-18 channels optional
Input signal	standard signal: 0-20mV, -20-20mA, 0-100mV, 4-20mA, 1-5V Thermocouple: B, S, K, E, T, J, R, N, F1, F2, Wre3-25, Wre5-26 Thermal resistance: PT100, Cu50, Cu53, Cu100, BA1, BA2 Analog signal: sin, cos, square, triangle Special customization: vacuum, PT1000, frequency
Output function	Power distribution output: 24V Analog output: 4-20mA (optional) Alarm output: up to 4 relay alarm outputs, 250VAC, 3A relay normally open contacts (optional)
Accuracy	±0.2%FS±1d
Input impedance	standard current signal input is 250Ω, other signal input is greater than 20MΩ
Isolation	The isolation voltage between the channel and the ground is greater than 500VAC, fully isolated, and the isolation voltage between the channel and the channel is greater than 250VAC.
Insulation strength	power supply to ground / outer casing insulation strength is greater than 1500VAC, leakage current 10mA, 1 minute
Look at the door dog	integrated WATCHDOG chip to ensure long-term safe and reliable operation of the host
Real-time clock	hardware real-time clock, powered by lithium battery after power-off, maximum clock error ± 1 minute / month
Power-down protection	All data is stored in FLASH memory, no backup battery is needed, ensuring that all historical data and configuration parameters are not lost due to power loss
Communication method	RS485 communication interface
Baud rate	1200bps, 2400bps, 4800bps, 9600bps, 12000bps, 19200bps, 38400bps, 57600bps
Sampling period	1 second, that is, 1 second to sample each channel
Recording interval	1 second, 2 seconds, 5 seconds, 10 seconds, 15 seconds, 30 seconds, 1 minute, 2 minutes, 5 minutes, 10 minutes, 30 minutes, 60 minutes can be set
Internal storage	48M bytes Flash (can be expanded)
Minimum recording time	8.9 days
Power supply	100-240V; 24VDC ± 10%
Dimensions	Dimensions 96mm*96mm*100mm; Opening size: 92mm*92mm

OVERVIEW

Applicable occasions: PLR9600 color screen paperless recorder 1~18 channels, integrating data measurement, display, processing, calculation, alarm, record report and other functions in one. Acquisition and recording of conventional values such as DC voltage, current, thermocouple, and thermal resistance. It has 18 analog signal input channels, 4 relay alarm outputs, 150mA power distribution output (can be connected to 6-way two-wire transmitter or 2-way four-wire transmitter), 1 RS-485 communication interface, and Has a USB data dump interface.

The PLR9600 paperless recorder features a high-speed, high-performance 32-bit cortex-M4 microprocessor. The circuit board is treated with anti-corrosion, moisture-proof and dust-proof. The high-performance instrument power supply has strong anti-interference ability, which can effectively suppress external harmonic interference and greatly improve the stability of the whole machine.

OUTLINE CONSTRUCTION



3D stereo color display

96*96 international standard size

180° multi-directional data observation

Multiple display modes with one button switching

Data loss protection design

Built-in flash memory to ensure that historical data and configuration parameters are not lost when power is off



18 channel multi-function signal input



Intelligently match various sensors to support various sensor signal inputs such as pressure, temperature, flow, level, and power.



Frosted paint material shell design

- High quality material shell design
- Stronger pressure and shock resistance



ELECTRICAL CONNECTION

mA input (no power distribution)	mA input (distribution)
V/mV input	Thermocouple input
Thermal resistance input	

ORDER CODE

PLR9600											Function Description	
Channels	01										1 channel input	
	02										2 channel input	
	
	18										18 channel input	
Frequency input		F0									Null	
		F1									1 channel frequency input	
PID operation		P0									Null	
		P1									1 way pid loop out	
		P2									2 way pid loop out	
Alarms Output		N									No alarm output	
		A1									1 route relay output	
		A2									2 route relay output	
		A3									3 route relay output	
		A4									4 route relay output	
Transmitting Output		N									No transmitting output	
		O1									1 channel transmission output	
		O2									2 channel transmission output	
		O3									3 channel transmission output	
		O4									4 channel transmission output	
Alarm contact		00									Null	
		01									1 relay output	
		02									2 relay output	
		03									3 relay output	
		04									4 relay output	
Communication method		N									No communication	
		R5									RS485 communication	
Power Distribution		N									No power distribution	
		P1									24v power distribution	
Flux Accumulation		N									No flux accumulation	
		T1									Flux accumulation	
Power Supply		AC									AC220V	
		VC									DC24V	
Special Function		N									No special function	
		S1									Frequency Input	
		S2									PWM output	
		S3									PID control	