



Centered on Quality
Based on Service

72R Touch Screen Data Logger

Precision instruments · Accurate measurement

Anhui Jujie Automation Technology Co., Ltd.

I About Us



10⁺

Over 10 years of independent research and development and production experience.

2500⁺

2,500+ square meters of modern offices and workshops

Anhui Jujie Automation Technology Co., Ltd. is located in Wuhu, Anhui Province, the city of makers. After ten years, Jujie Automation has continued to deepen its presence in the field of industrial automation. The annual production and sales volume of its newly launched liquid turbine flowmeters is over 10,000 units, and its paperless recording instruments have obtained multiple patent certifications and third-party certification tests. Jujie Automation carefully grasps every detail and is committed to providing users with considerate products and services.



Since its establishment, the company has applied for more than 10 patents, 8 software copyrights, and 3 registered trademarks. In 2023, the company passed the honorary titles of National Science and Technology Small and Medium Enterprises and National High-tech Enterprises. The company has also passed various certifications such as SGS, TUV, CE, CPA, ISO9001, ISO14001, ISO45001 and explosion-proof certifications for multiple products, laying a solid foundation for the development of the brand.



●● Calibration Device



● Liquid flow calibration device



● Small-diameter liquid flow calibration device

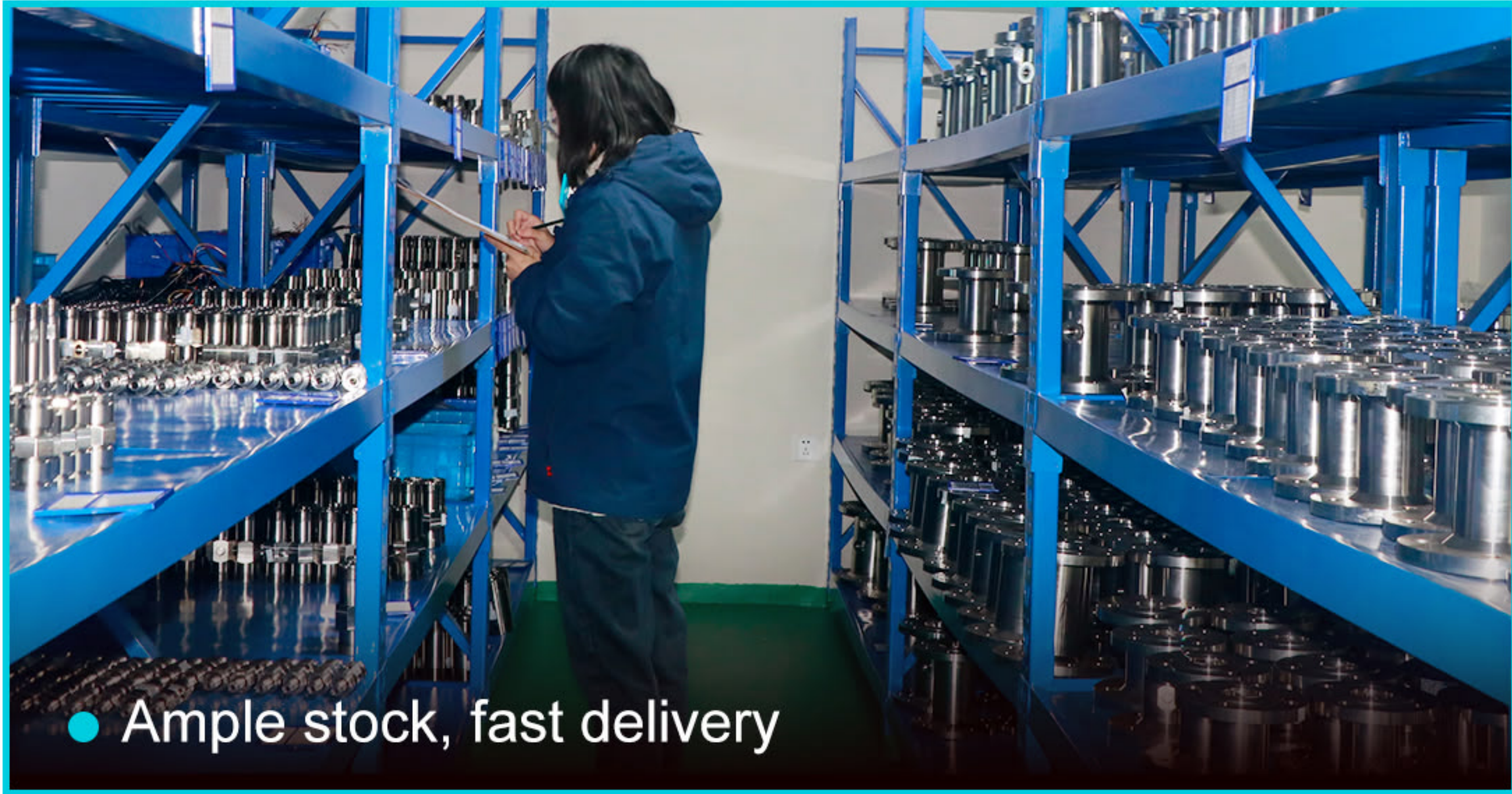


● Gas flow calibration device

●● Factory Photos



● Workshop site



● Ample stock, fast delivery

The 2,500-square-meter factory is equipped with various testing and calibration devices to ensure the quality of our products. It also has professional production and assembly lines and a complete warehousing system to protect our products.

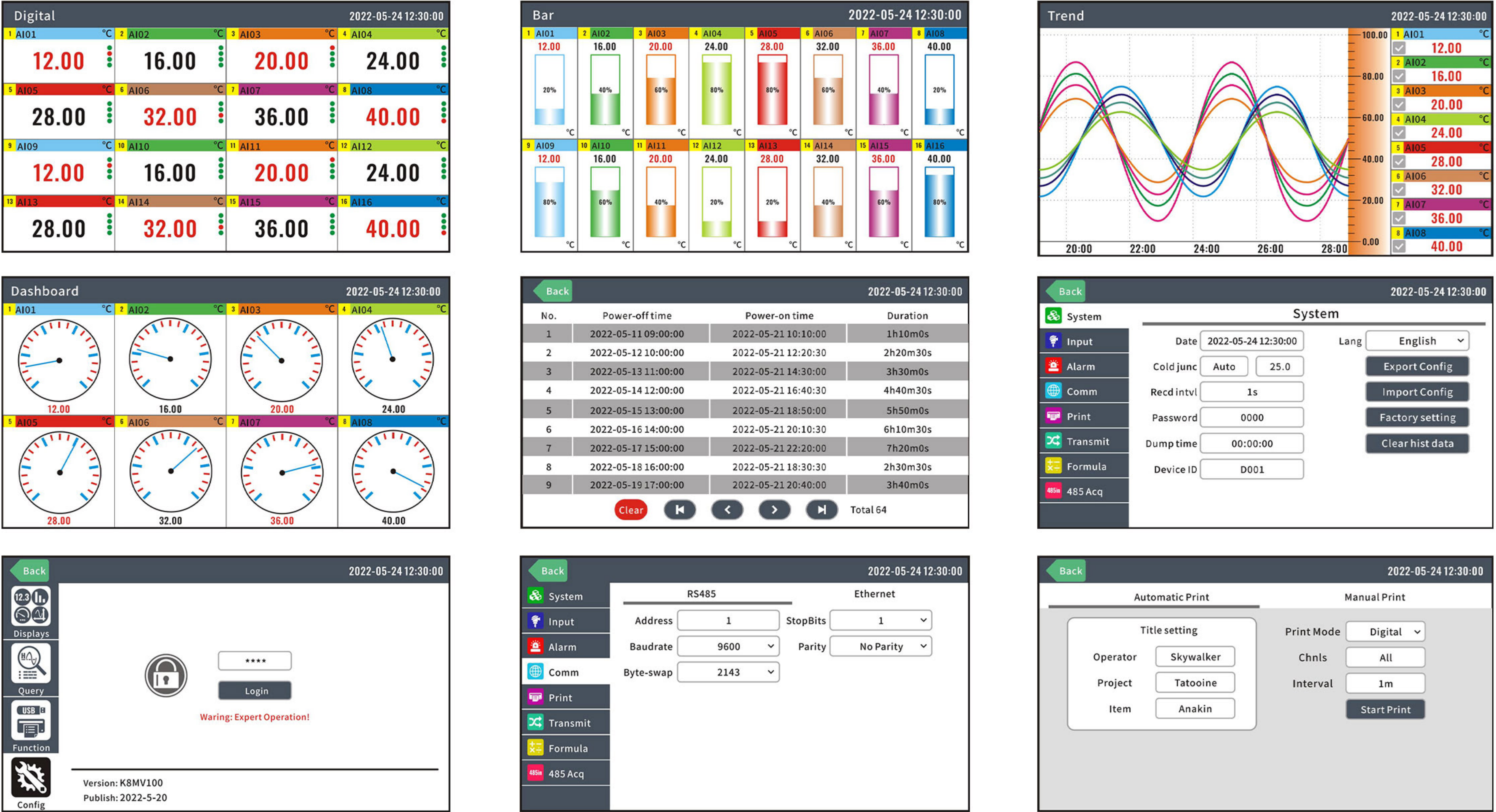
Product Introduction

Product Introduction – 72R Touch Screen Data Logger



This industrial paperless data logger features a 7-inch touchscreen color LCD and up to 32 channels of isolated universal signal input. It can accept industrial standard signals such as current, voltage, thermocouples, RTDs, and frequency (customizable). It can also be configured with alarm relay output and current transmitter output. It acquires channel signals in real time, displaying them in numerical, bar, and curve formats. Real-time data is saved to the logger's internal memory to form historical data, with a recording interval as fast as 1 second. Historical data can be quickly transferred via USB devices, and it supports RS485 and Ethernet communication interfaces.

Display Interface



Features

- High-definition 7-inch touchscreen color LCD
- Standard 138*138 opening size
- High-speed USB high-capacity flash drive interface
- Up to 32 universal isolation input channels
- Up to 16 relay outputs
- Up to 8 current transmitter outputs
- 2-way DC 24VDC power distribution
- RS485 communication interface - Standard Modbus RTU
- Ethernet communication interface - standard Modbus TCP
- Miniature printer data curve printing interface
- 64MB memory, 900,000 historical records
- 256 alarm records
- 256 power outage records and operation logs
- Built-in Chinese and English bilingual switching
- Virtual channel operation function
- RS485 digital input acquisition

Technical Parameters

Recorder Size	Panel dimensions: 187*147mm, depth: 145mm, cutout dimensions: 138*138mm
Display Screen	7-inch color touchscreen LCD, 800*480 resolution
Measurement Channels*	Up to 24 universal analog inputs, expandable to 32 (frequency signal needs to be customized)
Measurement Accuracy	0.2%F.S.
Sampling Period	1 second

Alarm Relay*	16 normally open relays, 250VAC 3A, 30VDC 3A (resistive load)
Transmitter Output*	Up to 8 channels of 4-20mA transmitter output, load ≤750Ω, accuracy 0.2%
24VDC Power Distribution	24VDC power distribution: 2 channels 24VDC±10%, total output current ≤120mA
RS485 Communication	1 RS485 communication interface, standard Modbus RTU protocol
Ethernet Communication*	1 Ethernet communication interface, standard Modbus TCP protocol (≤3 connections)
RS485 Data Acquisition*	1 RS485 acquisition interface, standard Modbus RTU protocol
USB Interface	USB 2.0, supports 32G high-capacity USB flash drives
Micro-Interface*	TLL micro printer interface
Power Supply	AC 100-240VAC 50Hz / DC 24VDC±10% (reverse connection protection) Power ≤20W
Preheating Time	30 minutes after power-on
Work Environment	Temperature: -10~60℃ Humidity: 0~85%RH (non-condensing)
EMC Anti-Interference	Power supply pulse 2000V, signal pulse 1000V
ESD Anti-Static	Contact discharge 4000V, air discharge 8000V
Withstand Voltage	AC220V power supply, 1500V between terminals and ground; DC24V power supply, 500V between terminals and ground; 1000V between isolated terminals
Insulation Resistance	AC220V power supply, DC test voltage 500V 20MΩ; DC24V power supply, DC test voltage 100V 5MΩ
Recording Interval	1s, 2s, 5s, 10s, 15s, 30s, 1min, 2min, 5min, 10min, 30min, 1h
Data Memory	64MB memory, 900,000 (900k) records
Recording Duration	32 channels, 1-second recording interval, 10-day recording period, dynamic cyclic overwrite storage
Other Records	Alarm list, power failure record, operation log, 256 records each, cyclic overwrite storage
Installation Method	Disk mounting, indoor, panel IP65 protection rating
Recorder Weight	1100g

Application Scenarios

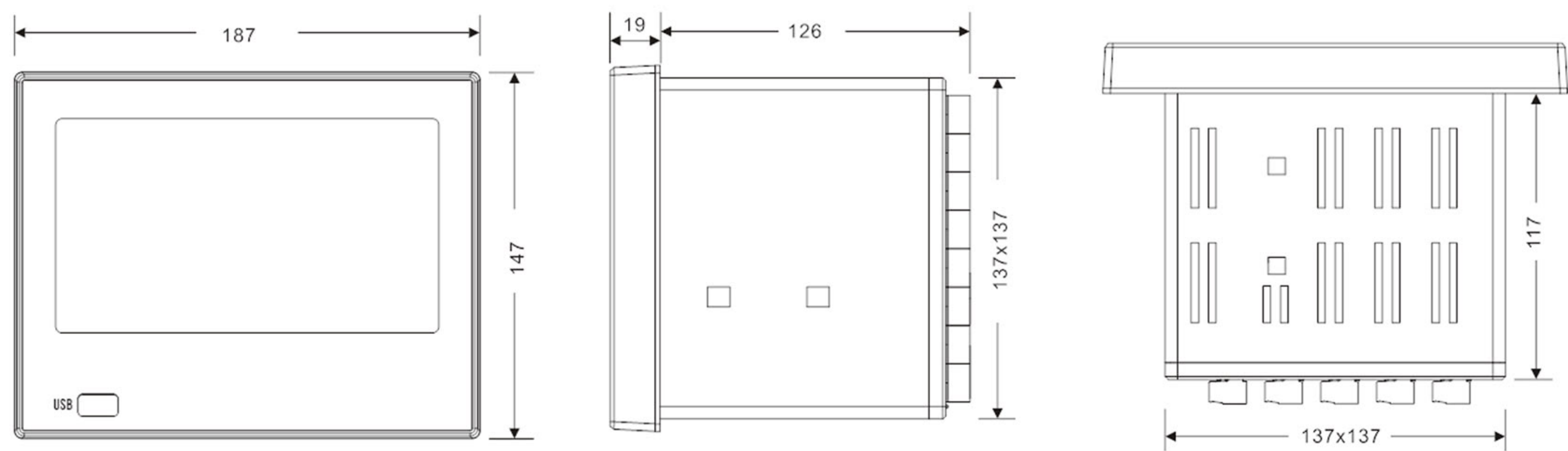


Signal Type

Classification	Signal Type	Measurement Range	Accuracy/25℃
Current	4~20mA	4.00~20.00mA	±0.2%
	0~10mA	0.00~10.00mA	±0.2%
	0~20mA	0.00~20.00mA	±0.2%
	4~20mA square root	4.00~20.00mA	±0.2%
Voltage mV	0~20mV	0.00~20.00mV	±0.2%
	-20~20mV	-20.00mV~20.00mV	±0.2%
	0~100mV	0.00~100.00mV	±0.2%
	-100~100mV	-100.00mV~100.00mV	±0.2%
Voltage V	1~5V	1.00~5.00V	±0.2%
	0~5V	0.00~5.00V	±0.2%
	-5~5V	-5.00~5.00V	±0.2%
	10V	0.00~10.00V	±0.2%
	-10~10V	-10.00~10.00V	±0.2%
Thermocouple	K	-200~1372℃	±2℃
	S	-50~1768℃	±3℃
	B	250~500℃	±5℃
		500~1820℃	±3℃
	J	-210~1000℃	±2℃
	R	-50~100℃	±4℃
		100~1768℃	±3℃
	N	-200~1300℃	±3℃
	T	-200~400℃	±2℃
	E	-200~1000℃	±2℃
	WRe3-25	0~2315℃	±5℃
	WRe5-26	0~2310℃	±5℃
	F1	700~2000℃	±2℃
	F2	700~2000℃	±2℃
Resistance Temperature Detector	Pt100	-200.0~650.0℃	±0.5℃
	Cu50	-50.0~140.0℃	±0.5℃
	Cu53	-50.0~150.0℃	±0.5℃
	Cu100	-50.0~150.0℃	±0.5℃
Frequency (customized)	Fr	0~10000Hz	1Hz

Product Dimensions

(Unit: mm)



Selection Guide

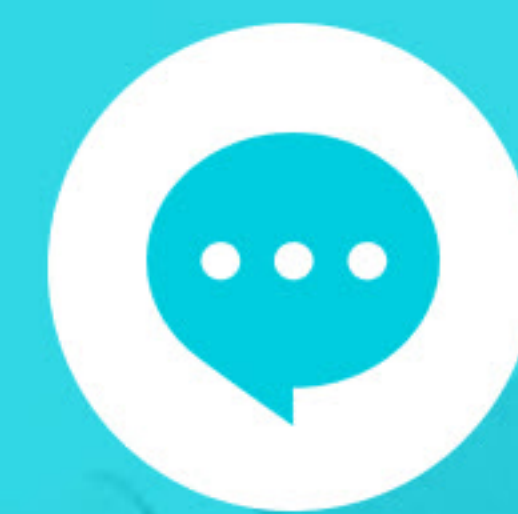
72R Touchscreen Data Logger Selection									
Model					Selection Guide			Remark	
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Analog Input	01				1 analog input			1. Number of analog input channels + number of virtual input channels: Analog output channels ≤ 32; (Including alarm terminals) 2. Virtual channels = 485 virtual input channels + computational virtual channels	
	...				...				
	32				32-channel analog input				
Virtual Channel	X01				1-channel virtual input				
	...				...				
	X32				32-channel virtual input				
Digital Input		K01				1-channel digital input			
		...				...			
		K32				32-channel digital input			
Pulse Input		I01				1-channel pulse input			
		...				...			
		I32				32-channel pulse input			
Communication Output			S1				RS485 communication data acquisition input		Main site, virtual channel
			S2				RS485 communication output		Slave station
			S3				Serial printer interface		
			S4				Ethernet		Slave station
Relay Output			T1				1 relay output		12 relay outputs = 8 analog inputs
			...				...		
			T12				12-channel relay output		
Traffic Function				F2			Traffic accumulation function		Not open yet
Analog Output				L1			1 analog output		The maximum number of analog outputs is 16.
				...			...		
				L16			16 analog outputs		
Power Supply Method					V0	100~240VAC/50/60HZ		Modular power supply for overall power supply	
					V1	24VDC		Modular power supply for overall power supply	

Note: When the total number of analog input channels + digital input channels + pulse input channels + analog output channels exceeds 24, the alarm output channel will be occupied, resulting in a false alarm. The number of input/output channels does not conflict with communication or power supply. The standard configuration includes two 24V power supplies, 60mA each.



Service System

Our professional engineering service system is available 7*16 hours online to solve various problems related to product installation, measurement interference, operation, and usage. You can contact customer service through multiple platforms such as the company website and company store, or schedule an engineer to provide on-site guidance and training.



Contact Online



Telephone Contact



Video Guide



On-site service booking

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