



Centered on Quality
Based on Service

71R Ultra-Thin wide-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

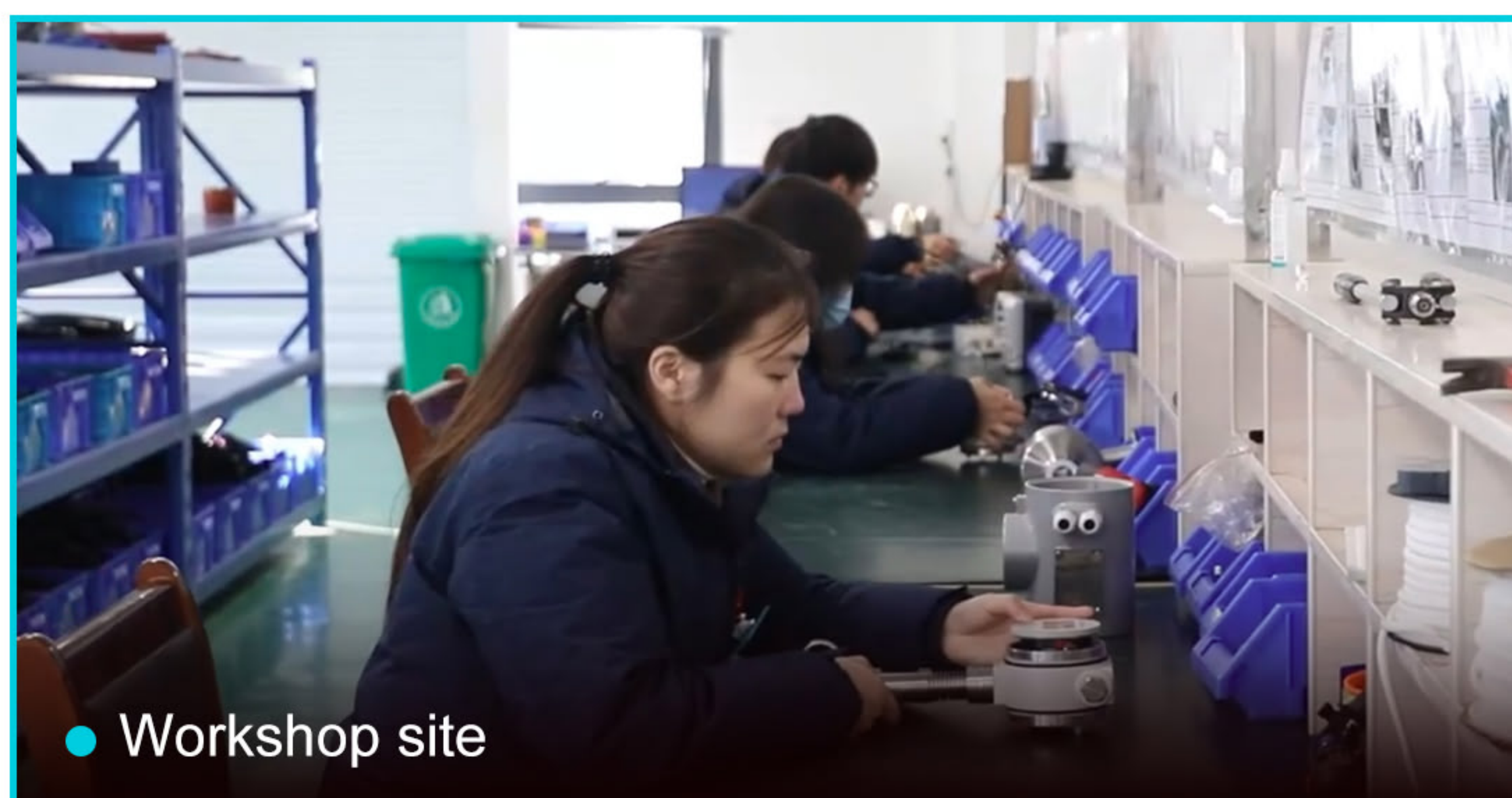


● Small-diameter liquid flow calibration device

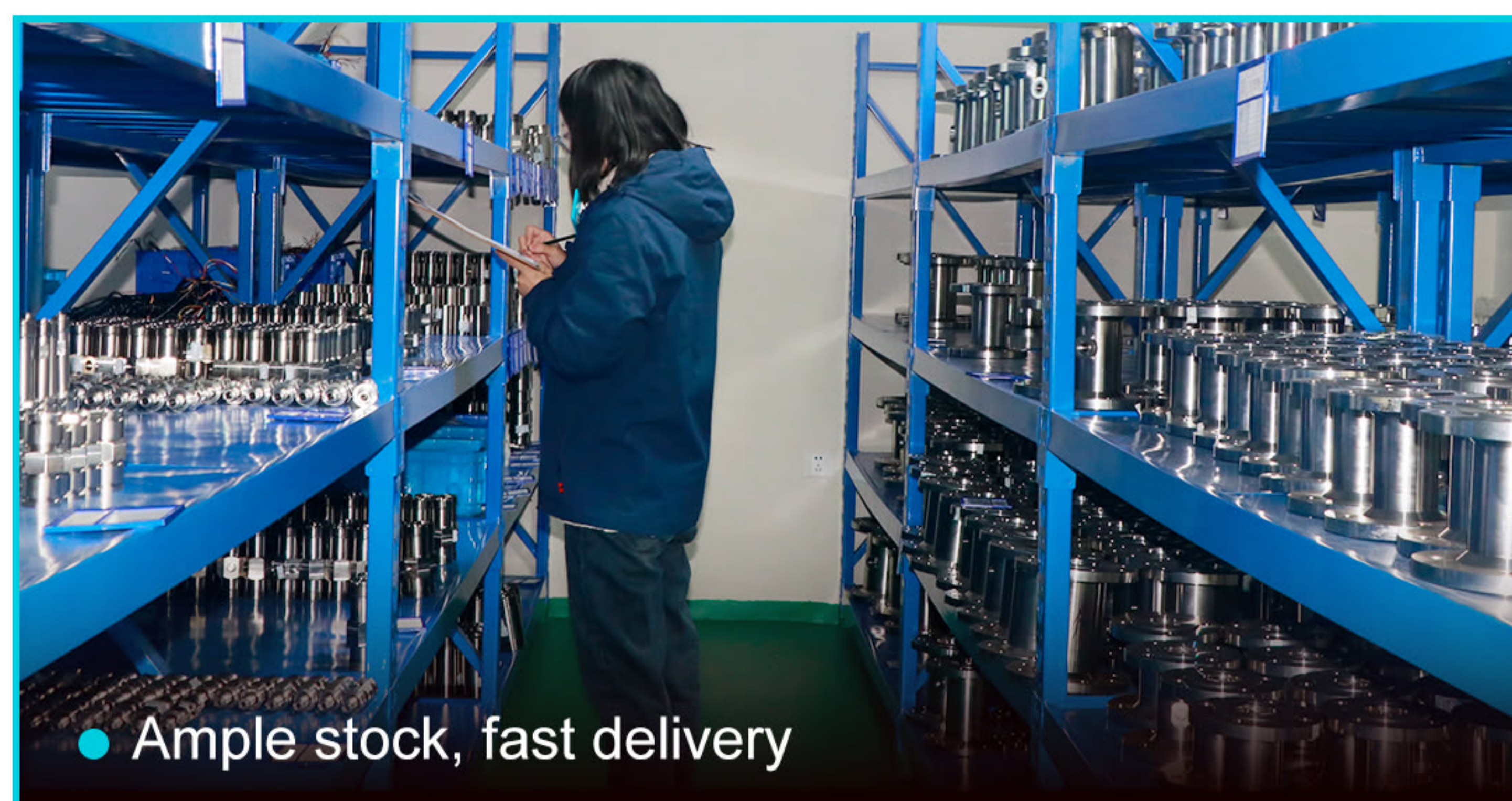


● Gas flow calibration device

●● 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 – 71R Data Logger



In recent years, due to constraints such as installation depth, number of data acquisition channels, and operational comfort, conventional products have become insufficient to meet the needs of certain industrial sites, causing considerable inconvenience to users. Therefore, a product that is thin, highly integrated, colorful, easy to operate, fully functional, highly reliable, and offers ideal cost-effectiveness is of great practical significance. Our company's ultra-thin widescreen paperless recorder aims to meet the rational needs of users and enhance their user experience. It is primarily used in various industries including petroleum and petrochemicals, chemicals, paper and plastics, textiles and printing, metallurgy and building materials, science and education, national defense, biomedicine, municipal environmental protection, energy metering, food and grain, tobacco and beverage, equipment manufacturing, complete equipment sets, and agriculture, forestry, animal husbandry, and fisheries.

●● Display Interface



●● Features

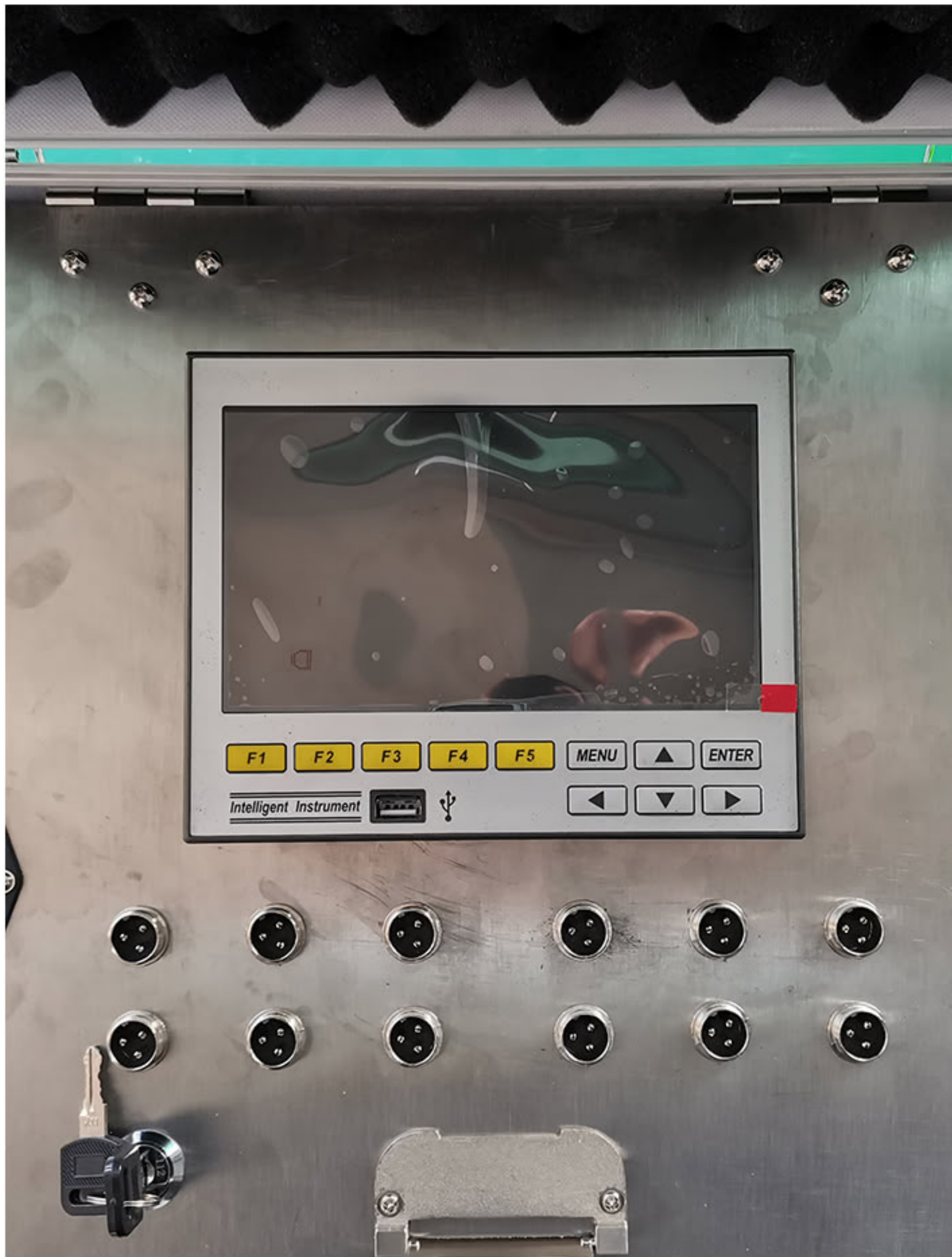
- Supports touch functionality (additional feature).
- Supports timed printing functionality (additional feature).
- Supports Ethernet communication functionality (customized feature).
- Supports communication data acquisition functionality (customized feature).
- Supports transmitter output functionality (optional feature).
- Supports Chinese/English language switching functionality (optional feature).
- Supports standard serial communication and printing functionality (optional feature).
- Data logging/backup functionality (standard feature).
- Supports dual communication function (additional function).
- Supports DC power supply (additional function).
- Supports vacuum degree calculation function (customized function).
- Supports power supply output function (optional function).
- Supports alarm output function (optional function).
- Supports PID control function (optional function).
- Supports flow accumulation temperature and pressure compensation function (optional function).
- Universal analog input (standard function).

●● Technical Parameters

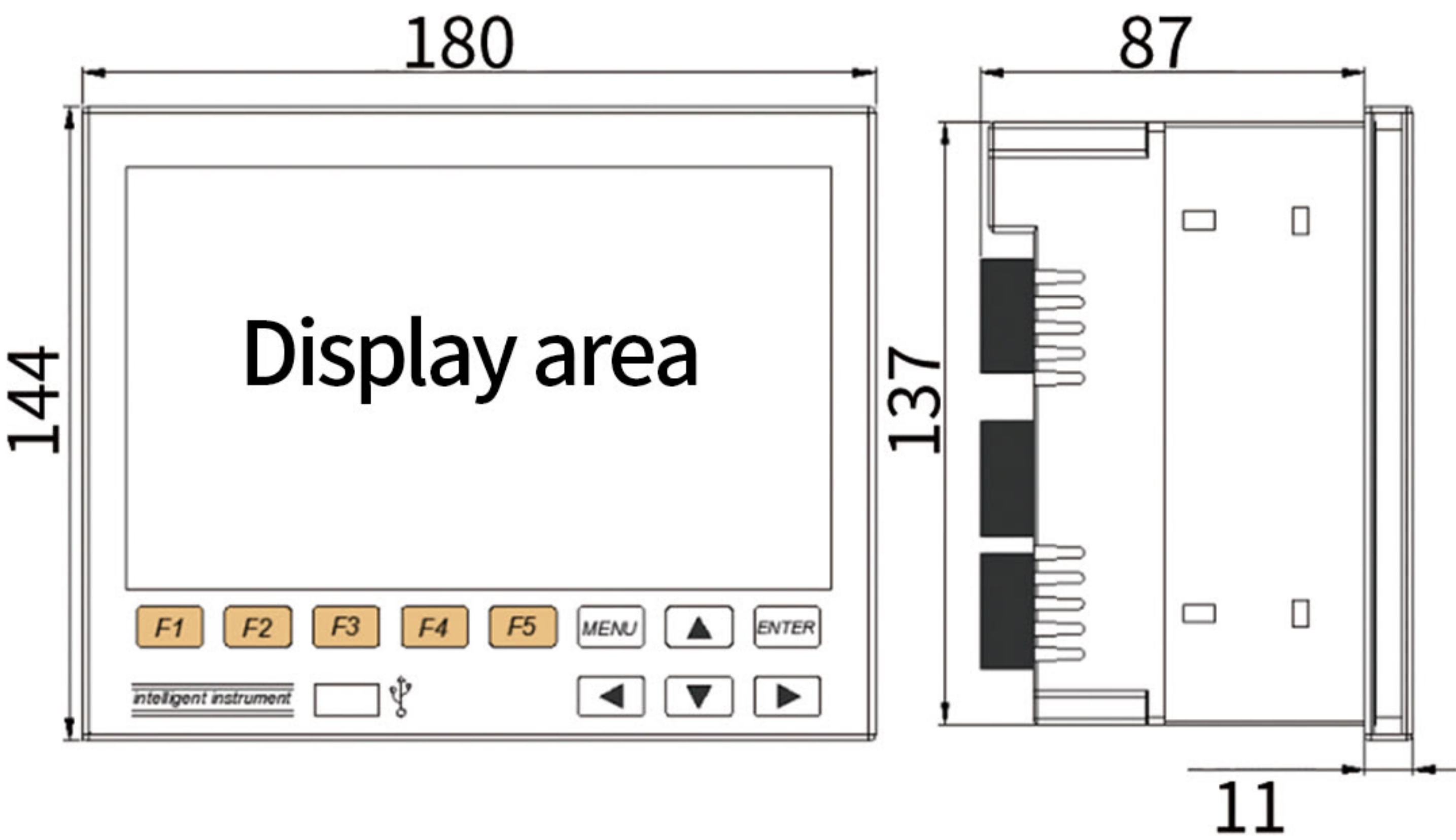
Display	7-inch true-color TFT LCD (800*480 dot matrix) real-time display: $\pm 0.2\%$ F.S.; recall accuracy: $\pm 0.2\%$ F.S.
Processor	High-performance ARM Cortex-M3 32-bit RISC core, enabling multi-channel signal acquisition/recording/display and multi-channel alarm.
Storage module	High-capacity parallel NAND flash memory chips store historical data, while serial FRAM memory chips store key information such as system configuration parameters.

Input function	Input Specifications: Fully isolated universal input, supports up to 16 analog inputs
	Voltage Input: 0-5V, 1-5V, 0-20mV, 0-100mV
	Current Input: 0-10mA, 4-20mA, 0-20mA
	Resistance Input: Res (0~400Ω)
	RTD: PT100, Cu50, G53, Cu100, BA1, BA2 (requires balanced three-wire resistance, lead resistance <10Ω)
	Thermocouple: S, B, K, T, R, E, N, J
	Radiation Pyrometer: F1, F2
	Tungsten-Rhenium: WRe3-25, WRe5-26; Other signal inputs require customization (e.g., D1/P1, etc.)
Output function	Power Distribution Output: Supports 3 sets of transmitter isolated power distribution +24VDC, each set ≤60mA, supports 12VDC and 5VDC power distribution.
	Transmission Output: Supports 4 channels of standard current 4-20mA transmission output.
	Facilitates data acquisition by display instruments or DCS/PLC, enabling long-distance signal transmission.
	Relay Alarm Output: Supports up to 6 relay alarms, contact capacity 1A@250VAC/1A@30VDC.
	Configurable upper limit, upper limit, lower limit, and lower lower limit alarms.
Communication Printing	Communication interface: RS232C and RS485 optional, supporting Modbus RTU protocol
	Printing interface: RS232C for direct connection to a mini printer, baud rate 1200
Output function	Recording capacity: 64/128/192/248MB (FLASH capacity selectable);
	Recording interval: 1 s to 240 s, 11 selectable intervals: 1/2/4/8/12/24/36/60/120/180/240 s;
	Recording time: The recording time depends on the FLASH memory capacity, the number of input points, and the recording interval. The formula is as follows:(The units of the values input must be consistent with the formula)
	Number of days recorded = $\frac{\text{FLASH capacity (MB)} \times 1024 \times 1024 \times \text{Recording interval (s)}}{\text{Number of channels} \times 16 \times 24 \times 3600}$
Data transfer	Data Backup and Transfer: Supports USB 1.1 and 2.0 flash drives, supporting data transfer from 1GB to 32GB flash drives.
Power supply	100~240VAC (rated voltage 220VAC), 50/60HZ AC power supply, supports 24VDC power supply.
Protection function	Power Failure Protection: Built-in memory protects parameters and historical data, permanently saving them after power failure.
	Clock Protection: Integrated hardware clock, ensuring accurate operation even after power loss.
Work environment	Temperature: 0~50℃ (avoid direct sunlight); Relative Humidity: 0~85%R.H (non-condensing);
	Altitude: <2000m
Transportation and storage environment	Temperature: -20~60℃ (avoid direct sunlight); Humidity: 5~95%R.H (non-condensing)
Instrument net weight	≤1.5kg

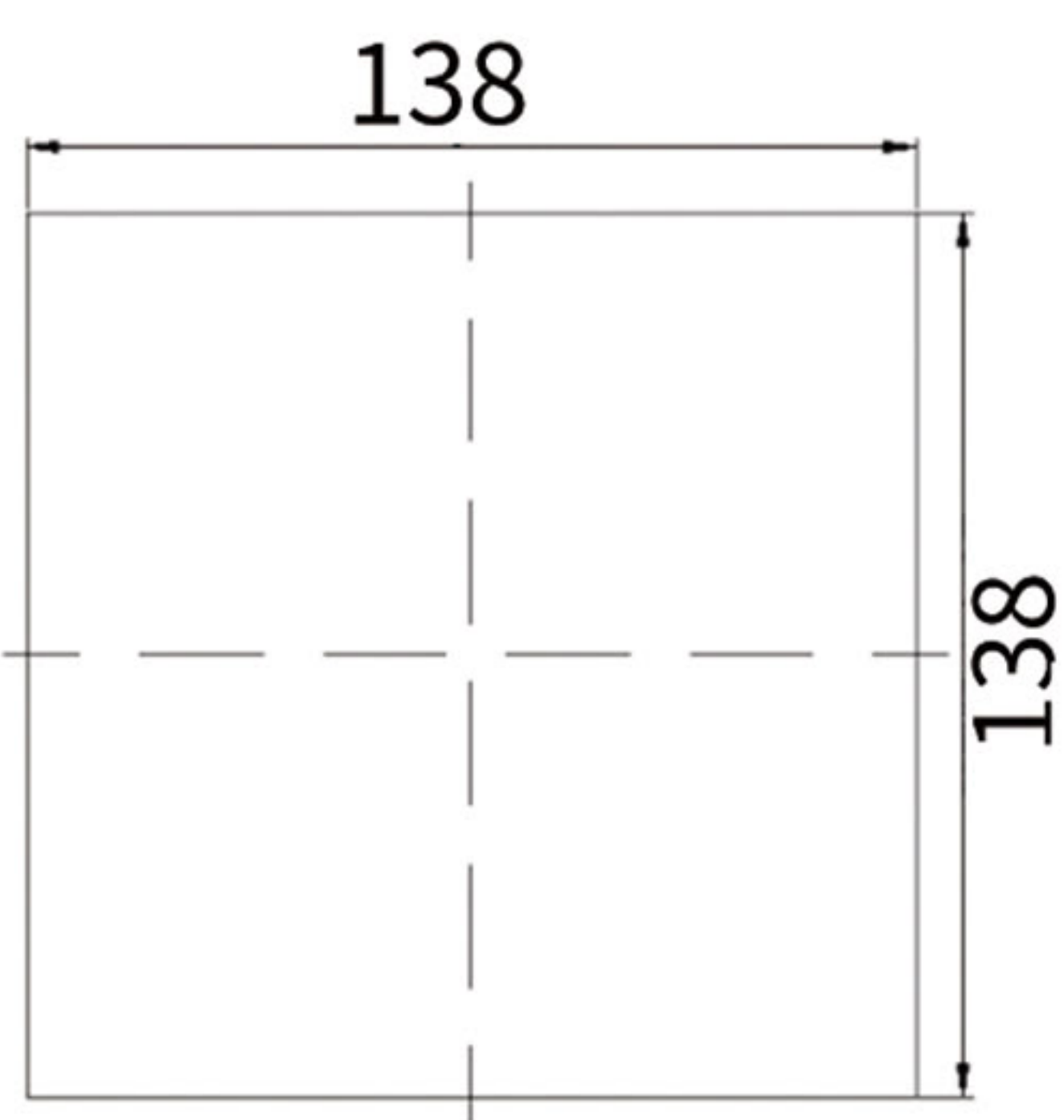
●● Application Scenarios



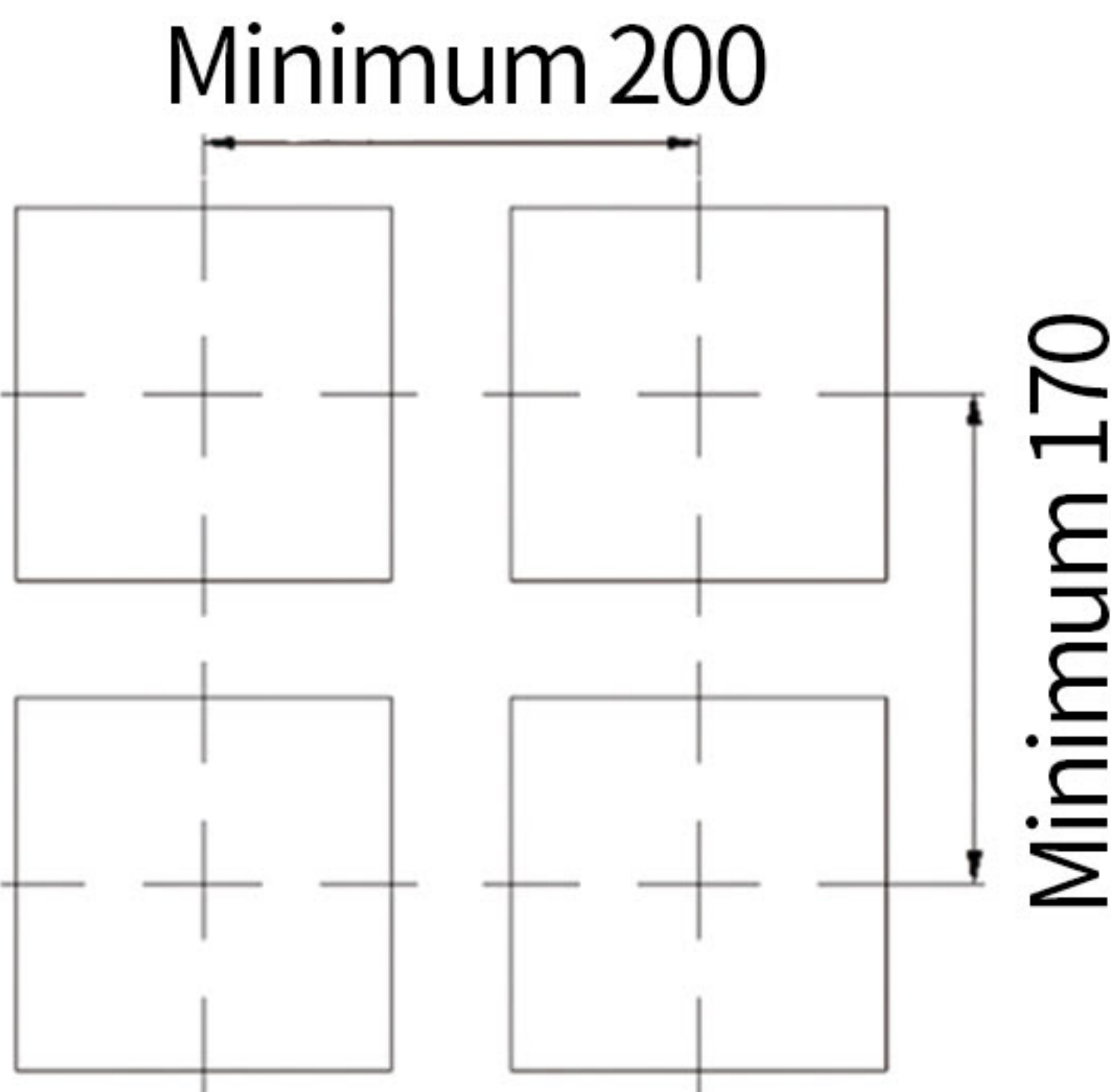
●● Product size (Unit: mm)



Instrument dimensions



Single meter opening size



Container opening size

Selection Explanation

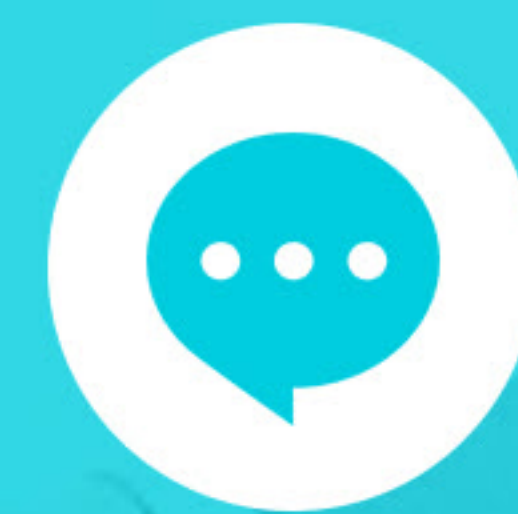
JJ71R Ultra-thin Widescreen Data Logger Selection												
Instrument Model	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	Illustrate	Remark
Instrument Model	71TR											71R Series Touch/ Widescreen Data Logger
Analog input	71R	01									1 Analog Input	Number of analog input channels + number of switch input channels + number of pulse input channels + number of analog output channels ≤ 16
		...									...	
		16									16 Analog Inputs	
Digital input			K01								1 Digital Input	
			...								...	
			K16								16 Digital Inputs	
Pulse input				T1							1 Pulse Input	Maximum number of pulse inputs: 12 full pulse inputs or 6 pulse inputs + 8 analog inputs
				...							...	
				I12							12 Pulse Inputs	
Communication output					S1						RS232 Communication Interface	
					S2						RS485 Communication Interface	
					S3						Serial Printer Interface	
					S4						Ethernet	
Relay output						T1					1 Relay Output	
						...					...	
						T6					6 Relay Outputs	
Traffic function						F2					Flow Accumulation Function	
Analog output							L1/LP				1 Analog Output	The maximum number of analog outputs is 4; with PID control, it is LP.
							...				...	
							L4/LP4				4 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
								V2			12VDC	Modular power supply for overall power supply
Customization features										DZ	Custom Functions	See customization form for details.





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.



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booking

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