

[Features]

- 5.6-inch color touchscreen panel with a high-resolution 640 × 480 display, offering intuitive and easy-to-use operation.
- Four expansion slots are provided, allowing for flexible configuration of analog/digital input/output modules.
- Analog input is compatible with various sensing elements, supporting 18 types of thermocouples (J, K, T, E, B, R, S, N, etc.) and platinum-based resistance thermometers (PT100, PT1000, JPT100 series).
- Data sampling can be as fast as 100 milliseconds per point, ensuring complete recording of instantaneous data changes.
- 256 MB of internal storage, front and rear USB interfaces, and expandable via SD card (up to 32 GB).
- Standard Ethernet Modbus TCP/IP communication; RS-232/422/485 serial communication interfaces are available for purchase separately.
- Built-in web browsing and email notification functionality; abnormal events can be immediately reported to administrators.
- Provides various chart displays including numerical values, trends, bars, and pie charts, and can export data to PDF, Excel, and CSV formats.
- Customizable high and low alarm thresholds; complete event logging; intuitive Chinese touch interface for querying.
- Remotely monitor data from multiple devices via network.
- The user interface supports multiple languages, including Traditional Chinese, Simplified Chinese, English, Japanese, Korean, German, French, and Spanish (a total of 19 languages).
- The front panel meets IP65 waterproof and dustproof standards, suitable for long-term use in industrial environments.



[Applications] : Data collection and recording of data from various machines

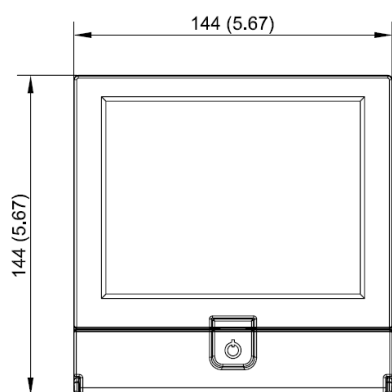
[Optional Code] DATA168T-Code 1-Code 2

Code 1	Expansion cards (select 4)	Code 2	RS485 function
N	Empty slot cover	N	None
AI	AI06 · one card, six points	M	DATA168T captures sensor data
AO	AO06 · one card, six points		
DI	DI06 · one card, six points	S	Let the image capture controller grab DATA168T of data
DO	DO06 · one card, six points		

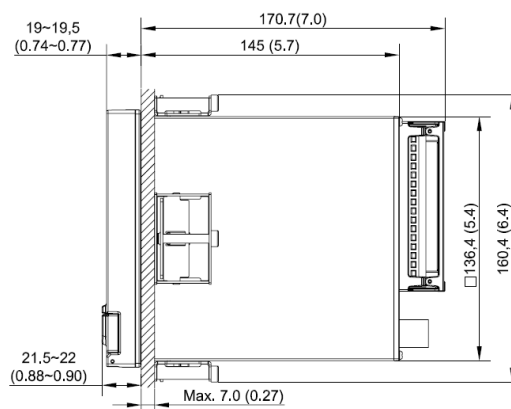
[Specifications]

Power Supply	♦ 90 ~ 250 VAC (50/60 Hz), ♦ Power consumption approximately 26 W
CPU / Memory	1 GHz high-performance ARM processor 256 MB RAM 256 MB Flash Supports SD card (up to 32 GB) and USB expansion
Display Screen	5.6-inch TFT LCD color touchscreen
Sampling Rate	Fastest interval is 100 milliseconds, default interval is 1 second.
Thermocouple Input	J, K, T, E, B, R, S, N, L, U, P, W3, W5, LR, A1, A2, A3, M(Total 18 types)
Resistor Input	Pt50 / Pt100 / Pt200 / Pt500 / Pt1000 ($\alpha = 0.00385$) · JPt50 / JPt100 / JPt200 / JPt500 / JPt1000 ($\alpha = 0.003916$) · Ni100 / Ni200 / Ni500 / Ni1000
Voltage / Current	mV, V, mA general-purpose signal input
Analog Input Card	Each card has 6 points, and a maximum of 4 cards can be combined (total 24 points).
Analog Output Card	Each output has 6 points, with selectable output ranges of 0-20mA, 4-20mA, 0-5VDC, 1-5VDC, and 0-10VDC.
Digital Input Card	Each card has 6 points and can be used as a general logic input or a high-speed pulse counter.
Digital Output Card	Each sheet has 6 relay contact outputs.
Communication Interface	Standard configuration includes Modbus TCP/IP Ethernet Optional RS-232, RS-422, or RS-485 (Modbus RTU)
Data Export	Reports can be exported as PDF, Excel, and CSV files, and support web browsing and email notifications.
Firmware	The standard version includes built-in mathematical operations; the advanced version also offers batch recording, FDA 21 CFR Part 11 compliance, and customizable screen editing features (which can be selected individually or combined).
Multi-language	19 language interfaces, covering Traditional Chinese, Simplified Chinese, English, Japanese, Korean, German, French, Spanish, Portuguese, Russian, etc.
Casing Dimensions (W×H×L)	144 × 144 × 189 mm Depth 171 mm
Panel Cutout Dimensions	137 × 137 mm
Protection Rating	Front panel IP65 waterproof and dustproof Back panel IP20
Operating Environment	Operating temperature: 0 ~ 50°C Storage temperature: -30 ~ 70°C Relative humidity: 20 ~ 80% RH (non-condensing)
Safety Specifications	Certified by CE, cULus, and RoHS Quality assurance compliant with ISO 9001

[Dimensions] Unit:mm



Front view(W x H = 144 x 144)



Side view(L=189, Depth 171)

Disc opening size: 137 × 137 mm (Please install the drill plate according to this size)