



MTC multi-channel digital display controller 1~48 universal input (configurable input selection: standard voltage, standard current, thermocouple, thermal resistance, millivolts, etc.). Can provide 18 alarm outputs or 12 analog transmission outputs, RS232/485 communication interface, Ethernet interface, micro printer interface, and USB interface, SD card socket; can provide sensor power distribution; has a powerful display function, real-time curve display, historical curve recall, bar graph display, alarm list display, etc.

Humanized appearance design, perfect function, reliable hardware quality, exquisite manufacturing technique, a higher performance-price ratio.

Function:

- 7-inch 800*480 dot matrix widescreen TFT high-brightness color graphic LCD display
- Chinese and English operating screens can be switched at will, the operation is simple, the configuration is simple and reliable, and the software password lock guarantees configuration security
- Uses high-speed, high-performance 32-bit ARM microprocessor, built-in embedded operating system, real-time monitoring, display, recording, alarm
- Large-capacity FLASH memory chip saves setting parameters and historical data, data can be permanently stored after power off
- Full aluminum sealed shell to ensure the instrument works normally in harsh environments

Technical parameters:

Applicable environment temperature: -100°C~50°C

Minimum installation temperature: -10 °C

Relative humidity: 10%~90%RH

Control accuracy: $\pm 0.2\%FS$

Setting mode: Touch-type key digital setting on the panel, parameter setting value password lock, setting value power-off permanent storage

Display mode: 7-inch 800*480 dot matrix widescreen TFT high-brightness color graphic LCD display, LED backlight, clear screen, wide viewing angle. The display content can consist of Chinese characters, numbers, process curves, bar diagrams, etc. The panel button can be used to complete the screen page turning, historical data searching, curve time scale change, etc.

Power supply voltage: 85~264VAC or 12~364VDC

Storage capacity: Internal FLASH memory capacity 64M Byte

Input signal: Up to 48 channels of isolated universal signal input, the isolation voltage between channels is greater than 250VAC, and the isolation voltage between channels and ground is greater than 500VAC.

Communication settings: Standard serial communication interface, supports ModBus-RTU communication protocol, 10M Ethernet standard blade 45 interface, supports ModBus-TCP communication protocol.

Note: If you need to order, please consult with the local Jiahong technicians for technical confirmation and model selection.

Product Model	Product Name	Remarks
MTC-4	Multi-channel digital temperature controller (4 channels)	Suitable for use in non-explosive-proof areas, the temperature controller is for cabinet door type installation
MTC-6	Multi-channel digital temperature controller (6 channels)	
MTC-8	Multi-channel digital temperature controller (8 channels)	
MTC-10	Multi-channel digital temperature controller (10 channels)	
MTC-12	Multi-channel digital temperature controller (12 channels)	