Data acquisition

DAQ-100 Series

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Features

- High speed measurement, universal input
- DC: 0-100V measurement input
- Channel isolation 350V live test
- Fast running speed, super strong data analysis ability
- The 0.1 second recording interval can also record 200 hours (approximately 8.33 days)
- Up to 23 units can be preset, and custom units are supported.

Model	MTR-4000	
Display screen	7-inch high-definition IPS touch screen, 800X480 resolution	
Measure	Each module has 10 channels, and the host supports up to 4 modules (40 channels)	
Expansion unit	Each unit has 10 channels and can expand up to 20 units (200 channels). Note: WIFI has a maximum of 12 channels and LAN has a maximum of 20 channels, which can be used in combination.	
Interface Display	File list, numerical list (statistical list), real-time curve (recorded curve), real-time bar chart (temperature rise comparison), real-time alarm (historical alarm), system settings	
Statistical value	Real time value, maximum value, minimum value, average value, peak to peak value	
Thermocouple measurement	KJETNSRB	Resolution: 0.01 ℃
Thermal resistance measurement	PT100 CU50	Resolution: 0.01 ℃
voltage measurement	0~100mV	Resolution: 0.001mV
voltage measurement	0~100V	Resolution: 0.01V
Current Measurement	0~20mA	Resolution: 0.001mA
Measurement accuracy	Thermocouple	0.2 ℃+2 words (excluding thermocouple) Cold end compensation accuracy: 0.5 ℃
	Thermal resistance	0.1 ℃+2 words (excluding thermistor)
	Voltage	0~100mV/0~100V ± (0.1% reading+0.1% range+2 words)
	Current	0~20mA soil (0.1% reading+0.1% range+2 words)
Measuring range	Thermocouple: -200~1820 ℃ [depending on thermocouple type], resolution: 0.01 ℃	
Correct	Independent calibration for each channel	
Isolation between channels	AC/DC up to 350V, high-voltage live measurement, super strong anti-interference	
Isolation between modules	AC/DC power up to 3750V.	
Sampling rate	50mS sampling per channel, 0.5 seconds for all channels	
Record Interval	The minimum recording interval is 0.1S, and the minimum interval time varies with the number of open channels (format: HH:MM:SS:ms)	
File Export	Export external USB drive or transfer to virtual USB drive, instantly convert to disk, and read files directly.	
File analysis	The file can view historical curves and analyze them at any time period	
Call the police	Upper and lower limit alarm settings, with alarm history (buzzer sound, can be muted)	
Communication	Standard USB/RS485/RS232/LAN (Ethernet port) standard PC software	
Thermocouple	Each channel is equipped with one 2-meter K-type thermocouple as standard	
Custom name	Each channel can have a customizable name and can be exported to Excel	
Power supply	AC 86V-265V ± 10%, frequency: 50Hz/60Hz<10W	