

T & H DATAOgger WITH PRINTER

The new generation MPR5000ST series paperless recorder has many outstanding features to meet the industry requirements. This recorder with touch screen adopts new the integrated circuit for input, output, power supply and signals with reliable protection and strong anti-interference design. It can set up to 32 channels for input types such as thermocouple, resistance, dc voltage, mv and current, also optional outputs configuration such as relay alarming, RS485, Ethernet, retransmission, auxiliary power supply, and printing as required. This recorder can display the measured data in history and real time on the digital curve, chart, and barograph display. It allows the measured data transferred to USB pen driver and use of the supported software attached to the recorder allows the saved data to be displayed on a personal computer.



SPECIFICATIONS

Universal Input	
Thermocouple Input	K (-50 ~ 1300°C),S (-50 ~ 1700°C),T (-200 ~ 350°C) ,E (0 ~ 800°C),J (0 ~ 1000°C),B (300 ~1800°C),N (0 ~ 1300°C),R(-50~1700°C), WRe526(0~2300), WRe325°C(0~2300°C) Resolution:0.1°C
RTD Input	Pt100 (-200 ~ 600°C), Cu50 (-50 ~ 150°C), Cu100 (-50 ~ 150°C), Resolution: 0.1°C
Analog Input	Linear dc voltage : 0~5Vdc, 1~5Vdc, 0~10Vdc, Range : -30000~30000 Linear dc current : 4~20mA, 0~10mA , range: -30000~30000
mV Input	0~20mV, 0~50mV, 0~100mV,0~500mV, Range : -30000~30000
Resistance Input	0- 400R, range:0-400Ω, Resolution:0.1Ω
Specified signal	PT100-2, K-300, T-300, range:-200 to 300°C, resolution: 0.01°C (Please advise us if required to order)

General	
Power Supply	(100~240)VAC, Frequency : (47~63)Hz ; 24VDC; Power consumption: ≤25W
Insulation	Power to Ground: >1500 VAC Leakage power: 10mA, 1minutes Power to housing: >1500 VAC Leakage power: 10mA, 1minutes
Display	7inch 640x480 TFT color screen with touch screen
Accuracy	Standard signal: 0.2%FS±1d;
	Specified signal: PT100-2:±0.05%FS(+/-0.2°C), K-300, T-300: Accuracy :±0.05%FS (+/-1.2°C)
Real time clock	High stable hardware real time, accuracy: ±5ppm; powered by batteries after power failure, its effective time is more than 30days
Data transfer	USB pen driver for data transferring, capacity: 8G, 16G,32G, FAT32 format
Data storage	All data is stored in Flash memory. no backup battery is required to ensure that all historical data and configuration parameters will be lost due to power failure.
Flash memory	128Mbit; 256Mbit
Memory interval	1,2,...,3600seconds programmable, suggested max : 1800seconds
Memory Capacity	Ordered channels no.: ≤CH16, Memory Capacity: 90days÷ ordered total channel numbers x memory interval time
	Ordered channels no.: >CH16, Memory Capacity: 180days÷ ordered total channel numbers x memory interval time)
Environment Condition	Working condition: Temperature: 0-50°C, relative humidity: 0%~85% (no dewing)
	Storage: Temperature: -20 to 60°C, relative humidity: 0%~95% (no dewing); Altitude:<2000m