

DM6803A+ - Features and Benefits



- Temperature measuring (accuracy $\pm 0.3\%$) and alarming output function
- Support K, E, J, T, N, B, R, S thermocouples
- It can set cold temperature automatic saving
- Digital thermocouple with $^{\circ}\text{C}$ and $^{\circ}\text{F}$ display
- Dual display: display max .min and relative mv value of input temperature
- Record function: can manually record 2500pcs temperature, and automatically record 6000pcs temperature. Automatic record interval is adjustable, and the longest record time is 99 hours

Characteristics					
Specifications	Thermometer type	Input range	Resolution	Accuracy	Remark
	R	-40~1760 $^{\circ}\text{C}$	1 $^{\circ}\text{C}$	-40~500 $^{\circ}\text{C}$: $\pm(0.5\%+2^{\circ}\text{C})$	Input resistance 1G Ω adopts; ITS-90 thermometric scale
	S	-20~1760 $^{\circ}\text{C}$	1 $^{\circ}\text{C}$	500 $^{\circ}\text{C}$ ~1760 $^{\circ}\text{C}$: $\pm(0.4\%+2^{\circ}\text{C})$	
	B	400~1800 $^{\circ}\text{C}$	1 $^{\circ}\text{C}$	400 $^{\circ}\text{C}$ ~800 $^{\circ}\text{C}$: $\pm(0.5\%+2^{\circ}\text{C})$	
			1 $^{\circ}\text{C}$	800 $^{\circ}\text{C}$ ~1000 $^{\circ}\text{C}$: $\pm(0.4\%+2^{\circ}\text{C})$	
			1 $^{\circ}\text{C}$	1000 $^{\circ}\text{C}$ ~1800 $^{\circ}\text{C}$: $\pm(0.3\%+2^{\circ}\text{C})$	
	E	-200~1000 $^{\circ}\text{C}$	0.1 $^{\circ}\text{C}$	-200 $^{\circ}\text{C}$ ~0 $^{\circ}\text{C}$: $\pm(0.3\%+1^{\circ}\text{C})$	
			0.1 $^{\circ}\text{C}$	0 $^{\circ}\text{C}$ ~500 $^{\circ}\text{C}$: $\pm(0.3\%+2^{\circ}\text{C})$	
	K	-200~1370 $^{\circ}\text{C}$	0.1 $^{\circ}\text{C}$	-200~0 $^{\circ}\text{C}$: $\pm(0.3\%+2^{\circ}\text{C})$	
			0.1 $^{\circ}\text{C}$	0 $^{\circ}\text{C}$ ~800 $^{\circ}\text{C}$: $\pm(0.3\%+1^{\circ}\text{C})$	
0.1 $^{\circ}\text{C}$			800 $^{\circ}\text{C}$ ~1370 $^{\circ}\text{C}$: $\pm(0.5\%+2^{\circ}\text{C})$		
J	-200~1200 $^{\circ}\text{C}$	0.1 $^{\circ}\text{C}$	-200~0 $^{\circ}\text{C}$: $\pm(0.3\%+1^{\circ}\text{C})$		
		0.1 $^{\circ}\text{C}$	0 $^{\circ}\text{C}$ ~1200 $^{\circ}\text{C}$: $\pm(0.3\%+2^{\circ}\text{C})$		
T	-200~400 $^{\circ}\text{C}$	0.1 $^{\circ}\text{C}$	-200~0 $^{\circ}\text{C}$: $\pm(0.3\%+1^{\circ}\text{C})$		
		0.1 $^{\circ}\text{C}$	0 $^{\circ}\text{C}$ ~400 $^{\circ}\text{C}$: $\pm(0.3\%+2^{\circ}\text{C})$		
N	-200~1300 $^{\circ}\text{C}$	0.1 $^{\circ}\text{C}$	-200~0 $^{\circ}\text{C}$: $\pm(0.5\%+2^{\circ}\text{C})$		
		0.1 $^{\circ}\text{C}$	0 $^{\circ}\text{C}$ ~1300 $^{\circ}\text{C}$: $\pm(0.3\%+2^{\circ}\text{C})$		
Special Function					
	Low battery indication	Approx. less than 7.5V			
	Data hold	√			
	Unit symbol display	√			
	Function protection	√			
	Anti-shock protection	√			
	Sampling rate	3 times/s			
	Operation method	Manual range			
	Max. display	19999			
	LCD size	67x40mm			
	Battery	9V (6F22)			
	Power dissipation	Quiescent current approx. 3.5mA			
General Characteristic					
	Dimension	130mm×95mm×28mm			
	Weight	240g(including battery)			
	Standard accessory	Battery, manual, TP01 K type temperature probe, and output plug			