



INTRODUCTION

This contact thermometer offers fast response and laboratory accuracy. This thermometer works with K-type or J-type thermocouples as temperature sensors (any one at a time), and it offers 0.1 °C/0.1°F resolution.

FEATURES

- Large backlit display shows temperature
- Relative time clock on MAX MIN and AVG provides a time reference for major events.
- Electronic Offset function allows compensation of thermocouple errors to maximize overall accuracy.
- Work with K-type or J-type thermocouples as temperature sensors (any one at a time).
- Readout in °C, °F, or Kelvin (K).
- Auto Power Off mode (**Sleep mode**) increases battery life.

GENERAL SPECIFICATIONS

Battery	1.5V×3
Operating Temperature	0°C to + 50°C (4°F to +122°F) Noncondensing
Storage Temperature	-10°C to +50 °C (14 °F to +122°F)
Temperature Range	
K type thermocouples	-200 °C to 1372°C (-328°F to 2501°F)
J type thermocouples	-210°C to 1100°C (-346°F to 2012°F)
Temperature accuracy	
Above -100°C (-148°F)	[0.15%rgd+1°C(1.8°F)]
Below -100°C (-148°F)	[0.5%rgd+2°C(3.6°F)]
Display Resolution	0.1°C / °F / K <1000, 1°C / °F / K > 1000



*Technical Specifications & Appearance are subject to change without prior notice.

GENERAL SPECIFICATIONS

- Data Hold Facility to freeze displayed Data
- MAX/MIN Recording Facility
- Measures in °C and °F scale
- Auto Power Off after 20 minutes

TECHNICAL SPECIFICATIONS

Temperature	:	-40° to + 482°F
Range	:	-40° to + 250°C
Resolution	:	0.1°
Accuracy	:	1.5% ± 2° full scale
Sampling Time	:	2.0 seconds
Battery	:	LR44 (1.5V)



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DTM-903 is a single input thermometer that can be used with both K type and J type thermocouples.

FEATURES

- Battery : 3xAAA 1.5V
- Wide Temperature Range
- High Accuracy
- Selectable Thermocouple between K / J type
- MAX / MIN / AVG Recording
- Data Hold to Freeze Displayed Data
- Backlit Display
- Attitude : ≤ 2000m
- Safety Standards : EN 61010-1, EN 61010-31, EN 61326
- Class of Pollution : 2
- Operating Temperature : 0°C ~ 50° ≤80%RH
- Storage Temperature : 20°C ~ 65° ≤80%RH

TECHNICAL SPECIFICATIONS

Range	Resolution	Accuracy	Remark
-50~1300°C (-58~2372°F)	0.1°C (0.2°F)	± 1.8°C (-50°C~0°C) ± 3.2°F (-58~32°F)	K-type Thermocouple
		± [0.5% rdg + 1°C] (0°C~1000°C) ± [0.5% rdg + 1.8°F] (-32~1832°F)	
		± [0.8% rdg + 1°C] (1000°C~1300°C) ± [0.5% rdg + 1.8°F] (1832~2372°F)	
-50~1200°C (-58~2152°F)	0.1°C (0.2°F)	± 1.8°C (-50°C~0°C) ± 3.2°F (-58~32°F)	J-type Thermocouple
		± [0.5% rdg + 1°C] (0°C~1000°C) ± [0.5% rdg + 1.8°F] (-32~1832°F)	
		± [0.8% rdg + 1°C] (1000°C~1300°C) ± [0.5% rdg + 1.8°F] (1832~2192°F)	

Table 1

Note: Operating Temperature: -0~40°C (32~102°F)
(Thermocouple error is excluded in Specifications listed above)



FEATURES

- 110mm stainless steel sensor
- 1 second normal temperature sensing time
- Temperature high/low point alarm
- Low battery indicator
- Data hold function
- Temperature unit °C / °F selectable
- Protective plastic sleeve with clip for stainless steel

TECHNICAL DATA

Basic function	Range	Accuracy	Resolution
Temperature	-50 ~ 300°C	-50 ~ 200°C, ±1°C; >200°C, ± 2°C	0.1°C
	-58°F ~ 572°C	-58 ~ 392°F, ± 2°F; >392°F, ± 4°F	0.2°F

Special function	ST-9283B
Temperature alarm function	√
Data hold	√
°C / °F display	√
Low battery indicator	√
Sampling rate	1 time / 1 second
External sensor probe	198mm probe (110mm stainless steel sensor), and 1m line
LCD size	18*41mm
battery	1.5V (AAA)

GENERAL CHARACTERS

Color	Body: white
Weight	95g (including battery)
Meter size	64*100*18mm
Standard accessory	Probe, battery, manual card
Packing	Blister
Standard packing per carton	100pcs
Carton size	41.5*28.5*56.5CM
Standard G.W per carton	13 kg



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