

## DT-8U Series Handheld Thermometer

### One to Four input Thermocouple with Data Logging



## Features

1. Large Easy to Read LCD Display
2. Reading update : 4 time/sec
3. Resolution : 0.1 (1000)
4. Measures K / J / T / E / R / S / N Thermocouple Types
5. Functions : °C/°F/K, Max/Min/Avg, Hold, Rel, Limit, Type, Count, Time, APO, 0°C ADJ, Exchange, T1-T2, T3-T4, Backlight, Rec, Call
6. Switchable between reading and Max / Min / Avg
7. Selectable auto power off time
8. Digitized correct 0°C
9. USB Interface with Windows Software (Optional RS232 Cable Available)
10. Data Logging and Real Time PC Monitoring

11. Software Included (Windows® 7 and XP Compatible)

12. Data Logging Capacity 9999 / Channel

13. Battery Life : 550 hr

14. CALL-Fit to Quick-Read Memory Data

DT-8U Series is a portable microcontroller design, high measurement accuracy and high stability,

Rugged easy one-hand operation, supports 7 types of thermocouple measurements

multifunction Data Logging thermometer, design of advanced digital 0 °C adjustment, memory

(maximum / minimum / average) value and the readings can be switched between.






## Standard Specification

<b>Thermocouple Range</b>	K Type	-200 to 1372°C (-328 to 2501°F)
	J Type	-210 to 1200°C (-346 to 2192°F)
	E Type	-210 to 1000°C (-346 to 1832°F)
	T Type	-250 to 400°C (-418 to 752°F)
	R/S Type	0 to 1700°C (32 to 3092°F)
	N Type	-150 to 1300°C (-238 to 2372°F)
<b>Accuracy(18 to 28°C Ambient)</b>	K/J/E/T Type	±(0.1% rdg + 0.5°C / 1°F) ±(0.1% rdg + 1.4°F) -148 to 2372°F
	R/S Type	±(0.1% rdg + 2°C / 4°F)
	N Type	±(0.1% rdg + 1.5°C / 3°F)
<b>Data Logger Interval Rate</b>	0.25 second to 23hour 59 minute 59 seconds	
<b>LCD Update</b>	4 time / per second	
<b>Data Storage</b>	9999 records per channel	
<b>Operating Temperature Conditions</b>	0 to 50°C (32 to 122°F) 0 to 80% RH	
<b>Storage Temperature and Humidity</b>	-10 to 60°C (-14 to 140°F) 0 to 80% RH	
<b>Power Requirement</b>	DC-1.5V / UM-4 / AAA x 4pcs	
<b>Dimensions (Without Holster)</b>	164 H x 76 W x 32 mm D(6.4 x 3 x 1.25")	
<b>Weight</b>	Approx 270 g (9.5 oz)	

# Function

Model		DT-817U	DT-827U	DT-837U	DT-847U
LCD	Digital	8888x3	8888x3	8888x4	8888x4
	Display	T1+Time	T1+T2+(T1-T2)	T1+T2+T3+(T1-T2)	T1+T2+T3+T4
	Resolution	0.1 (<1000)	0.1 (<1000)	0.1 (<1000)	0.1 (<1000)
Input	T1	V	V	V	V
	T2		V	V	V
	T3			V	V
	T4				V
T1-T2					V
T3-T4					V
Exchange			V	V	V
°C/°F/K		V	V	V	V
MAX/MIN/AVG		V	V	V	V
Backlight		V	V	V	V
Count		V	V	V	V
HOLD		V	V	V	V
REL		V	V	V	V
Limit (Hi/Lo Critical point Alerts)		V	V	V	V
0°C Adj		V	V	V	V
Auto power off (Selectable)		V	V	V	V
Battery Indication		V	V	V	V
Perpetual Calendar		V	V	V	V
Communicate Interface		V	V	V	V
Recording	Capacity	9999 / Channel			
	Interval	0.25s~23h59m59s	0.25s~23h59m59s	0.25s~23h59m59s	0.25s~23h59m59s
	Start	V	V	V	V
	Stop	V	V	V	V
Call out Memory Data		V	V	V	V
Accessories		DC-1.5V / UM-4 x 4pcs Housing x 1pc TP-01 K Type (YC-717 x 1, Others x 2) User's manual x 1pc USB transmission wire x 1pc Temp Monitor S2 software CD x 1pc			

## Optional

Model	Accessories	Description
TP-01		K type -40°C ~ 200°C
TP-02	 (2 Pin Mini Plug)	K type -50°C ~ 300°C
TP-05		K type -50°C ~ 400°C
7X USB transmission wire		Optocouplers design to USB interface
Temp Monitor S2		Choose three languages for English, traditional Chinese, simplified Chinese, Japanese. Save Data to *.TXT or *.XLS. Save BMP to *.jpg, *.png or *.emf.

## Contact

### Taipei World Trade Center

Add: 3C25, Taipei World Trade Center, No. 5, Sec. 5, Hsin Yi Rd. Taipei Taiwan, R.O.C.

Tel: 886-2-27206601 (Rep.)

Fax: 886-2-23455120

E-mail: [gitta@ms9.hinet.net](mailto:gitta@ms9.hinet.net)

<http://www.maxthermo.com>

### Factory

Add: 11F., No.168, Jiankang Rd., Zhonghe Dist., New Taipei City 235, Taiwan (R.O.C.)

Tel: 886-2-22287950 (Rep.)

Fax: 886-2-22286140

### Thailand Office - THAI MAXIMUM ELECTRONIC CO., LTD

Add: 86/132-133 m.7 Samaedum Bangkoontien Bangkok 10150 Thailand.

Tel: +662-415-8318 , +662-417-2548-49

Fax: +662-415-8798

<http://www.thaimaximum.com>