

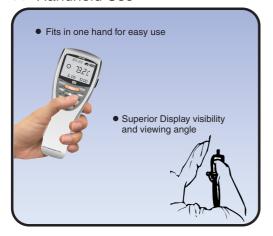
Handheld **Digital Thermometer DP-700**

Easy-to-use

Data logging function

USB connection to

>> Handheld Use



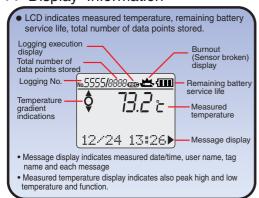
>> Data logging (recording)

Measured temperature, date, time, and user name can be manually or automatically stored in memory.

> DP-700A: Max 99 logs DP-700B: Max 9999 logs

• When DP-700B is used, measured data can be stored in the file in the CSV format using the USB port of each personal computer.

>> Display Information



>> Peak high and low temperature

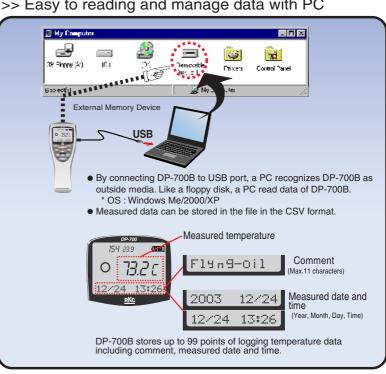
The maximum and minimum measured-temperature can always be stored.

>> Easy to reading and manage data with PC

Handheld type Temperature Sensor

CEC

: Many other type are available.





Specifications

Specifical	lions	
Input and Measuring range	Universal input Thermocouple K	-200 to +1372°C (Resolution: 1°C) -328 to +2501°F (Resolution: 1°F) -199.9 to +999.9°C (Resolution: 0.1°C)
	Thermocouple J	-199.9 to +999.9°F (Resolution: 0.1°F) -200 to +1200°C (Resolution: 1°C) -328 to +2192°F (Resolution: 1°F) -199.9 to +999.9°C (Resolution: 0.1°C)
	RTD Pt100	-199.9 to +999.9°F (Resolution: 0.1°F) -200 to +850°C (Resolution: 1°C) -328 to +1562°F (Resolution: 1°F) -199.9 to +850.0°C (Resolution: 0.1°C) -199.9 to +999.9°F (Resolution: 0.1°F)
Sampling time	0.5 sec	
Measuring accuracy	Cold junction temp ±0.5°C(±0.9°F) [±1.0°C(±1.8°F) [Between 5 and 40°C (41 and 104°F)] Between -20 and 5°C (-4 and 41°F), 40 and 50°C (104 and 122°F)
	±0.02% of span	/ °C [Between 5 and 40°C (41 and 104°F)] / °C [Between 5 and 40°C (41 and 104°F)]
Display	Reflective FSTN LCD Measuring value (PV): 4-digit, Logging (Recording) No: 4-digit, Total number of logging data: 4-digit, Message: 68 x 8 dots Logging execution: Lit during execution Burnout (Sensor broken): Lit when the sensor is broken. Remaining battery service life: The remaining battery service life is indicated in three steps. Temperature unit: 12 x 8 dots (°C/°F)	
Data logging (recoding)	Interval time: 0 (Ma Recording items: N U Recording capacity Memory backup: D	Manual log mode: Can be manually recorded in the memory. Interval log mode: Can be automatically recorded (in a set interval) unual log mode), 1 to 3600 sec leasured temperature, Date, Time, Tag name, ser No. T: DP-700A: Max. 99 logs DP-700B: Max.9999 logs DP-700A: Backed up by SRAM The recorded data may be lost if battery service ife has expired or the battery is replaced. TP-700B: Backed up by EEPROM Number of writing: Approx. 100,000 times Data retaining period: Approx. 10 years
Temperature gradient indication	The evaluation poir When within the evaluation	aluation points, "O" is displayed while when out oint, "X" is displayed.

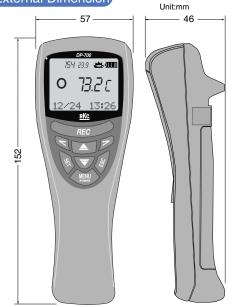
Tag number function	Number of maximum registration:DP-700A: 5 tags DP-700B: 99 tags		
	Registration items: Tag name, evaluation points of high and low temperature		
	Tag name: 11 characters (Numeral, Alphabets, Symbols) Memory backup: Same as Memory backup of data logging		
User name function	Any user name can be registered for each user number.		
TUTICUOTI	Logging data can store into register name. Number of maximum registration : 99 names,		
	Number of character: 11 characters (Numeral, Alphabets, Symbols) Memory backup: Same as Memory backup of data logging		
USB function	Interface: USB (Universal Serial Bus) Ver2.0		
(Only for DP-700B)	Communication speed: Full Speed compliant Connector type: USB series Mini-B		
	Power supply: Bus power (The power is supplied from the USB port		
	on the PC side.		
	Device class: Mass Storage Class (Bulk-Only Transport)		
Waterproof and dustproof	DP-700A : IP67 DP-700B : IP54		
Other functions	Peak high and low temperature		
	PV bias: -99.9 to +99.9°C (°F)		
	PV digital filter: 0 to 100 sec (0 : OFF) Calender timer (year, month, date, hour, minute)		
	Operation lock, Self-diagnostic		
Power	Type LR6 (based on IEC and JIS) alkaline battery, One battery Battery life: Approx. 400 hours (Continuous operating time, Around the ambient temperature 23°C)		
Ambient temperature			
Ambient humidity	5 to 95%RH (Absolute humidity: Max. W.C 29g/m³ dry air at 101.3kPa.)		
Weight	Approx.450g (Including LR6 Alkaline battery)		
Accessories	LR6 (IEC and JIS) Alkaline battery, Strap, USB cable 1m (Only for DP-700B)		

Model Code

Model Code	Specifications
DP-700A/J	No USB, Data logging : 99 logs, Waterproof/Dustproof : IP67 Data backup : Backed up by SRAM
DP-700B/J	With USB, Data logging : 9999 logs, Waterproof/Dusproof:IP54 Data backup : Backed up by EEPROM

DP-700A allows for temporary immersion in water.
DP-700B is water resistant to splashing. It is not suitable to be immersed in water.

External Dimension



Handheld type Temperature Sensor (Accessories)

ST-23 For static surface Temperature range: 0 to 300°C (Non-condensing) Model Code: ST-23-6C

ST-23L For static surface Temperature range: 0 to 300°C (Non-condensing) Model Code: ST-23L-6C

ST-29 For static surface Temperature range: 0 to 800°C (Non-condensing)

Model Code: ST-29-6C

Thermocouple: Type K

JB-16 For semi-solid, viscous material and liquid Temperature range : 0 to 650°C (ø1.6) (Non-condensing) 0 to 750°C (ø3.2) (Non-condensing) ad (1.6 (3.2)

Model Code: JB-16-6C

(Specify ød when ordering)

JB-15 For semi-solid, viscous material and liquid Temperature range: 0 to 400°C (Non-condensing) Model Code: JB-15-6C

• Consult factory for other probe types that are available.

Released soon

JB-715 (Penetration probe), JB-716 (Bar type probe) Installing a sensor is a snap.

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