

Model AP-400 series

Thermo Printer

Model AP-400 series thermometers have built-in printers for on-the-spot printing of measurement data.

AP-400模式系列

AP-400模式系列产品是内装打印机型温度计。测定出的数据可以立即打印。

AP-400シリーズは、プリンタを内蔵した温度計測器です。測定データを、その場で印刷する事ができます。

AP-400K
AP-400E



AP-400K

AP-450K
AP-450E



AP-450K

Functions 功能

<p>Manual print 手动打印</p> <p>Manual print-out is available simply by pushing the PRINT key. Measured data with absolute time (Hours:Minutes:Seconds) can be printed.</p> <p>按 PRINT 键可打印测量时间和温度。</p>	<p>Interval print 间隔打印</p> <p>The SET key enables the operator to select a time mode from eight kinds of intervals.</p> <p>按照设定的间隔打印测量时间和温度。</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p>Time interval : 3s,10s,30s,1min,5min,10min, 30min and 60min 间隔时间 : 3秒·10秒·30秒·1分·5分·10分·30分·60分</p> </div>
<p>Number print 代码打印</p> <p>The numbering print provides the sequential numbering and measured data.</p> <p>按 START 键打印温度数据代码和温度。</p>	<p>Memory function 记录功能</p> <p>The memory function makes it possible to batch print the measured data stored in the internal memory. (max. 100 lines data)</p> <p>数据可记录于主机内部后进行统一打印。(最多记录100行)</p>
<p>Hold function 固定测量数据</p> <p>The thermometer stops measurement by the HOLD key and holds the present readings.</p> <p>按 HOLD 键, 可固定测量数据并保持该数据的显示。</p>	<p>Power supply 电源</p> <p>4AA (LR6) alkaline dry cells or AC adaptor (Optional accessory)</p> <p>单3电池 (LR6) 4只或专用AC电源。(另售)</p>

Specifications

Model	AP-400		AP-450
Display	LCD		
Input connector	ASP		ANP
Input type (Thermocouple input)	Type E or K (Not switchable)		Type E, K, J, T or R (Not switchable)
Channel	1ch		
Signal source resistance	MAX 500 Ω		
Measurement range	*TABLE I		
Measurement accuracy	*TABLE II		
Reference junction compensation accuracy	±0.2°C at 25°C ±10°C		
Temperature coefficient	±0.01% of measurement range / °C : Outside 25°C ±10°C		
Environmental limit	Operation	0~40°C, 0~80%RH (Non condensing)	
	Storage	-20~50°C, 0~85%RH (Non condensing)	
Sampling rate	*TABLE III		
Battery life	*TABLE III		
Power supply	Dry battery	4 AA Alkaline dry cell batteries	
	AC power	AC Adaptor (Optional accessories)	
Linearizer	Digital linearizer method (Compliant with IEC 60584-1 (1995))		
Print out	Character size 2.5mm, Paper width 37mm (1000 lines/roll), Thermal line dot printing		
Memory	100 data		
Internal battery	Lithium battery (For clock backup)		
Dimensions	Approx. 68 (W) × 201 (H) × 42 (D) mm [Protruded parts excluded]		
Weight	Approx. 350g [Include batteries]		
Supplied accessories	Soft case, 4 AA Alkaline dry cell batteries, Paper jam fixer, User's manual, Print paper (ACAP4), Test report, User registration form		
Optional accessories	AC Adaptor		

***TABLE I (Measurement range)**

Thermocouple type	°C	
	1°C Range	0.1°C Range
E	-200 ~ 800°C	-104.9 ~ 504.9°C
K	-200 ~ 1370°C	
J	-200 ~ 1100°C	
T	-200 ~ 400°C	-104.9 ~ 400.0°C
R	0 ~ 1760°C	

*Switch automatically to 1°C resolution range when measured temperatures fall outside the 0.1°C resolution range.

***TABLE III (Sampling rate and Battery life)**

Interval	Sampling rate	Battery life
No printing mode	2times / second	approx. 40hours
3 seconds	2times / second	approx. 25hours
10 seconds	1time / 5seconds	approx. 45hours
30 seconds	1time / 5seconds	approx. 80hours
1 minute	1time / 10seconds	approx. 100hours
5 minutes	1time / minute	approx. 110hours
10 minutes	1time / minute	approx. 120hours
30 minutes	1time / minute	approx. 120hours
60 minutes	1time / minute	approx. 120hours

***TABLE II (Measurement accuracy)**

Thermocouple type	°C		
	0.1°C Range	0°C~	± (0.05% of reading + 0.2°C)
E, K, J, T			~0°C
	500°C~		± (0.1% of reading + 1°C)
	1°C Range	~-100°C	± (0.5% of reading + 1°C)
R	1°C Range		± (0.1% of reading + 3°C)

● Supplied accessories

Soft case 主机套



Thermometer not included
不包括本体

Print paper 打印紙
ACAP4



5 pcs/set

Paper jam fixer 镊子



● Optional accessories

AC Adaptor AC电源

AD-115-500-HR-R (for AC115V)
AD-220-500-HR-R (for AC220V)

