TES

Reliable in Quality

Paperless Recorder

830 Portable Paperless Recorder

- Crystal clear 5.7" Color TFT LCD display (320 x 240)
- 8 points Temperature Recording with high speed / Accuracy
- Color graphic display of 8 curves
- 28 hours Recording with Lithium Battery of 3400mAH
- SD Card directly read by PC

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830 Portable Paperless Recorder

System Overheated? Uneven Temperature Distribution?

FEATURES :

- 5.7" Color TFT LCD (320 x 240)
- 8 input temperature measurement/logging (℃ / ℉)
- Color graphic display of 8 curves
- Digital and analog (bargraph) data display
- Selection of 11 types of thermocouple
- Easy socket for thermocouple mini connector
- Basic accuracy 0.05% ± 1℃ (K type)
- Programmable Hi-Lo alarm with timers
- Statistics data (Histogram) for easy analysis
- Hide or display selected curves
- Display of max and min values for each input
- Sampling Rate 8 Inputs / 1 second
- 28 Hour Recording with Lithium Battery of 3400mAH
- Standard 2G SD memory card
- SD card directly read by PC
- Read and Delete data files directly
- Built-in calendar clock
- Accept Analog Outputs from instruments
- Screen hardcopy for easy documentation
- Ready to use package (Thermocouples, SD Card, and Battery)

- **Advantages for end users:**

Users can use the recorder to find out and solve problems (e.g. system overheat, uneven temperature distribution), improve quality, make profit, and increase market share.

- **Advantages over competitors:**

1. Portable unit can be used at any location: application is not limited to availability of AC power.
2. Data can be analyzed on site: analysis is not limited availability of PC; users can read data and analyze overall trend (instead of page by page display).
3. Zoom function to review data of any selected period of date and time.

- **Application for various industries:**

PC, Semiconductor, Automotive, Air-conditioning, Freezer, Metallurgy, Petroleum, Chemical, Construction materials, Papermaking, Food, Pharmacy, Agriculture, Flower planting, Thermal treatment, Water treatment.

• Specifications (23°C ± 5°C):

(0.1°C, 0.1°F Resolution, Accuracy of reading.)

Type	°C		°F	
	Range	Accuracy	Range	Accuracy
K	-200 ~ -150 -150 ~ -100 -100 ~ 999.9 1000 ~ 1370	±3.0℃ ±2.0℃ ±0.05% ±1.0℃ ±0.2% ±1.0℃	-328 ~ -238 -238 ~ -148 -148 ~ 999.9 1000 ~ 2498	±5.4℉ ±3.6℉ ±0.05% ±1.8℉ ±0.2% ±1.8℉
J	-200 ~ -100 -100 ~ 100 100 ~ 999.9	±2.5℃ ±1.5℃ ±0.05% ±1.0℃	-328 ~ -148 -148 ~ 212 212 ~ 999.9 1000 ~ 1832	±4.5℉ ±2.7℉ ±0.05% ±1.8℉ ±0.2% ±1℉
E	-150 ~ -100 -100 ~ 760	±2.0℃ ±0.05% ±1.0℃	-238 ~ -148 -148 ~ 999.9 1000 ~ 1400	±3.6℉ ±0.05% ±1.8℉ ±0.2% ±1℉
T	-200 ~ -150 -150 ~ -100 -100 ~ 400	±3.0℃ ±0.1% ±1.5℃ ±0.1% ±0.5℃	-328 ~ -238 -238 ~ -148 -148 ~ 752	±5.4℉ ±0.1%±2.7℉ ±0.1% ±0.9℉

LCD	5.7" Color TFT LCD (320 x 240) with backlight
AC Adaptor	DC Regulated 12V / 300mA output AC 110V or 220V Input
Power Consumption	220mA / 150mA / 120mA
Dimension	257x155x57mm, 10.1" x 6.1" x 2.2"
Weight	1160g / 40.9oz (Battery included)
Operation / Storage	0℃~50℃, 85% RH / -20℃~60℃, 75% RH
Accessories	User manual x 1, Lithium battery (11.1V) x 1 USB cable x 1, Software CD x 1 SD card (2GB or larger) x 1, Carrying bag x 1 K-type thermocouples: 1M x 7pcs.; 3M x 1pc.