12-Channel Temperature Recorder
with Excel-Formatted Data Logging SD Card

Accurately Measures 12 Channels of Temperature from -148° to 3092°F (-100° to 1700°C)

No. DT4208SD

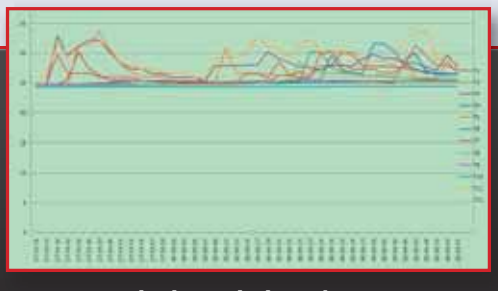
Applications:

- Food and chemical processing
- PC board burn-in
- Paper production
- HVAC/R installations
- Power generation

Petrochemical Production

PC Board Burn-In

This instrument's unique feature is its patented technique for storing sampled data in Excel format on removable SD memory cards



12-Channel Temperature Recorder
with Excel-Formatted Data Logging SD Card

Features:

- Twelve independent temperature measurement channels
- Displays up to eight channels at a time; one push of a button switches to Channels 9 through 12
- Works with and automatically temperature-compensates for six popular thermocouple types: K, J, T, E, S and R
- Combining thermocouple types extends overall measurement range to -148° to 3092°F (-100° to 1700°C)
- Can automatically log 12 channels of data every day during same period
- Big (2.5 in. diagonal) front-panel green backlit LCD is easy to read
- Displays maximum and minimum readings and holds any reading
- Automatically logs measurements at sampling time settable from one second to one hour
- Also supports manual data logging and changing of SD card storage location
- Auto power off function

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Included Accessories:

- Hard carrying case
- Two "K Type" beaded thermocouple probes
- 2 GB SD memory card
- User's manual

Optional Accessories:

- "K" Type thermocouples
  - General P/N TPK500 (-50° to 500°F)
  - General P/N TPK05 (-40° to 562°F)
  - General P/N TPK03 (-40° to 950°F)
- 9VDC adapter for 110V power supply (General P/N AC1)
- SDRD1 - SD Card Reader

Specifications:

Embedded Microcontroller: Custom one-chip LSI device

Display Type: LCD with green backlight

Display Size: 2.05 x 1.5 in. (52 x 38mm)

Parameter Measured: Temperature (in °F or °C)

Measurement Range:
- Using included "K" Type thermocouples: -148° to 2372°F (-100° to 1300°C)
- For other thermocouples: depends on type

Measurement Accuracy:
- For included "K" Type thermocouples: ± (0.4 % of reading + 2.0°F max)

Measurement Resolution
- For included "K" Type thermocouples: 0.1° (F or C) below 1000°F, 1° (F or C) above 1000°F

Data Logging Sampling Time: 1 second to 1 hour

Settable Parameters: Date, time, decimal point or comma decimal division, auto power off, beep sound, loop recording enable or disable, temperature unit, sampling time

Storable/Recallable Readings: Maximum, minimum

SD Card Capacity: 1 GB to 16 GB

Operating Temperature: 32° to 122°F (0° to 50°C)

Operating Relative Humidity: 0 to 85%

Power Consumption:
- 7.5 mADC (normal operation, with backlight off and SD card not saving data)
- 25 mADC with backlight on and card saving data
- 36 mADC with backlight on and card saving data

Dimensions:
8.86 x 4.92x 2.52 in. (225 x 125 x 64mm)

Weight: 2.1 lb. (944g)

Power Source:
Eight "AA" batteries or optional 9-VDC AC adapter