



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

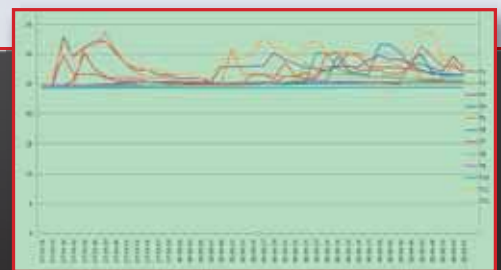


PC Board Burn-In

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



Time	Ch1	Ch2	Ch3	Ch4	Ch5	Ch6	Ch7	Ch8	Ch9	Ch10	Ch11	Ch12
1/1/2008 12:00:00	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:01	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:02	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:03	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:04	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:05	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:06	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:07	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:08	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:09	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:10	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:11	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:12	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:13	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:14	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:15	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:16	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:17	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:18	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:19	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:20	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:21	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:22	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:23	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:24	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:25	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:26	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:27	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:28	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:29	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:30	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:31	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:32	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:33	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:34	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:35	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:36	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:37	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:38	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:39	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:40	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:41	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:42	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:43	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:44	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:45	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:46	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:47	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:48	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:49	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:50	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:51	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:52	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:53	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:54	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:55	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:56	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:57	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:58	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:00:59	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6
1/1/2008 12:01:00	44.6	44.7	44.8	44.6	44.5	44.7	44.8	44.6	44.5	44.7	44.8	44.6





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

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



No. DT4208SD

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: \pm (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 4.92 x 2.52 in. (225 x 125 x 64mm)

Weight: 2.1 lb. (944g)

Power Source:

Eight "AA" batteries or optional 9-VDC AC adapter

