

## HH-4208SD 12 Channel Thermocouple Data Logger

Twelve channel hand-held indicator/data logger with a large, easy-to-read, backlit LCD display (82mm x 61mm). Selectable between Thermocouple inputs K, J, T, E, R and S. Save up to 12 different temperature measurements concurrently with date and time information (year, date, minutes, seconds) and selectable sampling rate (automatic or manual: 1 second to 1 hour).

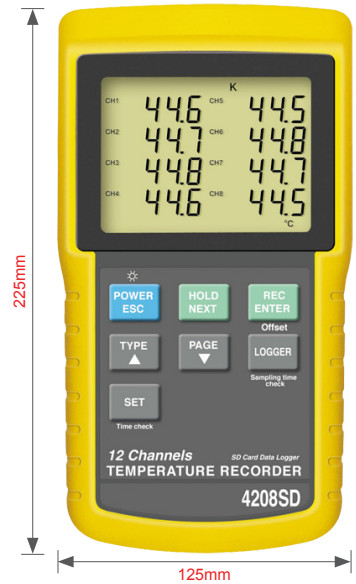
The HH-4208SD incorporates a page-select function and is capable of showing up to 8 channel readings on the screen at one time (CH1 to CH8 or CH9 to CH12). Data can be logged in two ways:

**Software:** Data can be logged in real-time using the optional Data Acquisition software (HH-4208SW) with the unit connected to a PC via the USB or RS-232 cables\*. Data is saved to the computer in .mdb (Microsoft® Access) database format which can then be imported into Microsoft® Excel.

**SD Card:** A 4GB SD memory card is supplied for storage of logged data without the need for additional software. Data is saved to the card in .xlsx (Microsoft® Excel 2007 onwards) format. The card can then be plugged into a reader to retrieve the data. The SD card cannot be used with the Data Acquisition software.

The HH-4208SD is powered via 8 AA batteries or the optional mains power adaptor, and is enclosed within a rubber protective case. Supplied with a 4GB SD card (max 16GB), instruction manual and carry case.

- 12 selectable Thermocouple input channels (T1-T12)
- Large, backlit LCD display (82mm x 61mm)
- °C / °F selectable
- Min, Max, Data hold, over range indication
- Auto power off / low battery indicator
- Offset adjustment / linear compensation
- Selectable sampling rate (1 to 3600 seconds)
- Supplied with 4GB SD memory card, instruction manual and carry case
- Optional power adaptor, software, USB cable and RS-232 cable available



Top view (12 x thermocouple inputs)



Supplied with 4GB SD card



Order Code **HH-4208SD**

Technical Details	
<b>Input (miniature plug) *</b>	12 x Thermocouple
<b>Sample Rate</b>	Automatic or manual (1 second to 1 hour)
<b>Display</b>	Large backlit LCD display (82mm x 61mm)
<b>Operating Temperature</b>	0 to +50°C
<b>Operating Humidity</b>	Less than 85 %RH
<b>Overload Protection</b>	30V DC (1 minute), 12V AC (1 minute)
<b>Power</b>	8 x 1.5V AA batteries or AC/DC power adaptor (available separately)
<b>Dimensions</b>	225mm (H) x 125mm (W) x 64mm (D)
<b>Weight</b>	948g approx. (including batteries)

Thermocouple Type	°C			°F		
	Range	Resolution	Accuracy	Range	Resolution	Accuracy
K	-50.1°C to -100°C	0.1°C	± (0.4% + 1°C)	-58.1°F to -148°F	0.1°F	± (0.4% + 1.8°F)
	-50°C to +999.9°C	0.1°C	± (0.4% + 0.5°C)	-58°F to +999.9°F	0.1°F	± (0.4% + 1°F)
	+1000°C to +1300°C	1°C	± (0.4% + 1°C)	+1000°F to +2372°F	1°F	± (0.4% + 2°F)
J	-50.1°C to -100°C	0.1°C	± (0.4% + 1°C)	-58.1°F to -148°F	0.1°F	± (0.4% + 1.8°F)
	-50°C to +999.9°C	0.1°C	± (0.4% + 0.5°C)	-58°F to +999.9°F	0.1°F	± (0.4% + 1°F)
	+1000°C to +1150°C	1°C	± (0.4% + 1°C)	+1000°F to +2102°F	1°F	± (0.4% + 2°F)
T	-50.1°C to -100°C	0.1°C	± (0.4% + 1°C)	-58.1°F to -148°F	0.1°F	± (0.4% + 1.8°F)
	-50°C to +400°C	0.1°C	± (0.4% + 0.5°C)	-58°F to +752°F	0.1°F	± (0.4% + 1°F)
	-50.1°C to -100°C	0.1°C	± (0.4% + 1°C)	-58.1°F to -148°F	0.1°F	± (0.4% + 1.8°F)
E	-50°C to +900°C	0.1°C	± (0.4% + 0.5°C)	-58°F to +999.9°F	0.1°F	± (0.4% + 1°F)
	-	-	-	+1000°F to +1652°F	1°F	± (0.4% + 2°F)
	-	-	-	+32°F to +3092°F	1°F	± (0.5% + 5°F)
R	0°C to +1700°C	1°C	± (0.5% + 3°C)	+32°F to +2732°F	1°F	± (0.5% + 5°F)
	0°C to +1500°C	1°C	± (0.5% + 3°C)	+32°F to +2732°F	1°F	± (0.5% + 5°F)

\* Software, USB cable, RS-232 cable and thermocouples not supplied with data logger - available separately  
Accuracy stated is for indicator only. The thermocouple sensor inaccuracy should also be considered

### Optional Accessories for 12 Channel Thermocouple Data Logger



UK Power Adaptor

Order Code **HH-4208PA**



Data Acquisition Software  
(Microsoft® Windows XP, 7, 8)

Order Code **HH-4208SW**



USB Cable

Order Code **HH-4208USB**



RS-232 Cable

Order Code **HH-4208RS232**

