

# DATA450 12 channel portable thermocouple indicator/datalogger

## Product information

The DATA450 is a 12-channel temperature data logger that accommodates SD cards up to 16 GB in size. The optional software allows the temperature meter to connect to a PC via USB for direct data transfer and analysis via Microsoft Excel. The datalogging interval can be set from 1 second per channel up to a maximum of 3600 seconds. The 4.5" LCD display features a green backlight and can indicate up to eight channels of measurements simultaneously (CH 1 ... CH 8). With just the press of a button, the remaining channels (CH 9 ... CH 12) can be viewed. The temperature meter works with six different kinds of transducers or sensors including type K, type J, type T, type E, type R and type S thermocouples.

## Inputs

<b>Thermocouples</b>	12 Inputs
<b>Type of thermocouples</b>	Selectable inputs K, J, T, R, S and E
<b>Measuring range</b>	-200°C up to +1700°C
<b>Accuracy</b>	±0.5% of measured value +1°C
<b>Connections</b>	Minature thermocouple plugs

## Functions

<b>Alarms</b>	Hi, and Low alarm for each channel
<b>Display</b>	Min, Max, Data hold, over range indication
<b>Resolution measurement speed</b>	Adjustable 1-3600 sec.
<b>Hold function</b>	Indicated on display
<b>Cold junction</b>	Internal cold junction compensation
<b>Data storage</b>	No additional software required
<b>Sample rate</b>	Automatic or manual (1 second to 1 hour)

## Datalogging

<b>Realtime</b>	Realtime viewing of measurements with optional software and USB cable on PC or laptop
<b>SD card</b>	Data storage on SD card ( max 16GB ) for storage or to load into Microsoft® Excel 2007 (min.)
<b>Power saving</b>	Auto power off / low battery indicator
<b>Power</b>	8 x 1.5V AA batteries or AC/DC power adaptor (available separately)
<b>Dimensions</b>	225x125x64mm
<b>Weight</b>	950g approx. (including batteries)
<b>Back light</b>	Easy-to-read backlit LCD display

## Display

<b>LCD display</b>	Large easy to read backlit LCD display (82mm x 61mm)
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## Supply

<b>Including</b>	2 wire thermocouples type K with PVC insulation up to +85°C, batteries, 2GB SD card and a carrying case
<b>Protection case</b>	Rubber protective case included
<b>Manual</b>	Instruction manual included



## Ordering code

\*This datasheet is purely indicative, build-up of model code may vary from this datasheet.

Model

DATA450

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**thermo-electra**  
temperature sensor solutions

Thermo Electra B.V.  
Weteringweg 10  
2641KM Pijnacker  
The Netherlands

Phone +31 (0)15 - 3621200  
Fax +31 (0)15 - 3694082  
Email sales@thermo.nl  
http://www.thermo-electra.com

