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

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

Functions

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

Datalogging

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

Display

LCD display	Large easy to read backlit LCD display (82mm x 61mm)

Supply

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

Ordering code

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

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