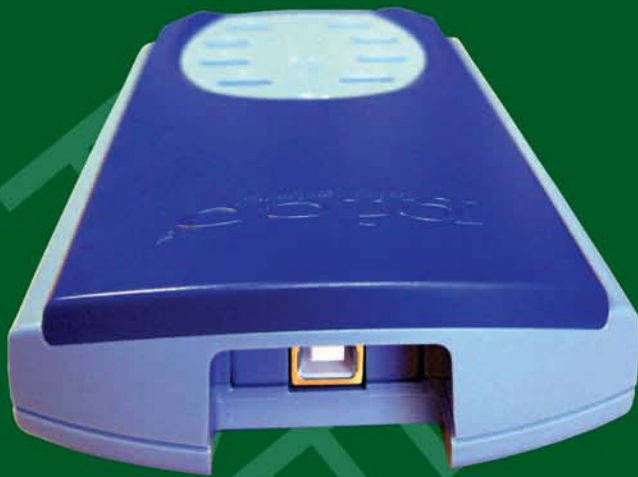


TC08 USB Based PC Temperature Data Logger



The TC-08 is an 8 channel, PC based, temperature data logger. It can measure temperatures from -270°C to $+1800^{\circ}\text{C}$ and works with all popular types of thermocouple (B, E, J, K, N, R, S, T). There is also a 60mV range which can be used for other types of sensor.

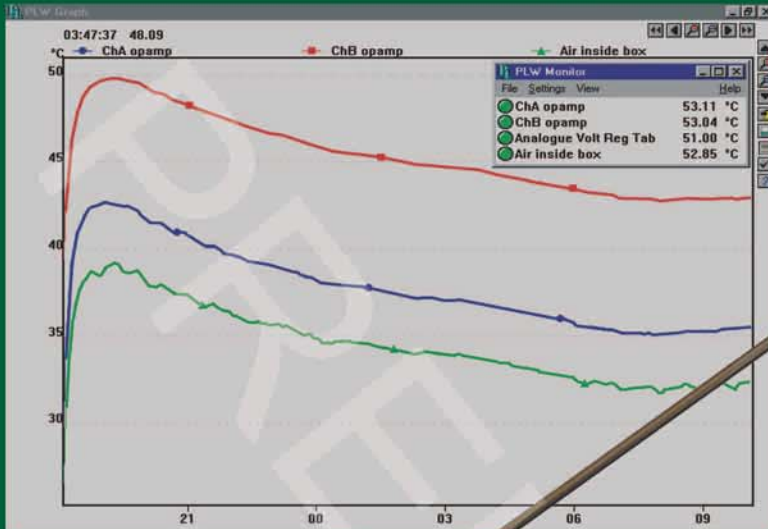
The TC-08 is very easy to use just connect a thermocouple, plug into the USB port of your computer, and you are ready to measure temperatures.

- Measures and records up to 8 thermocouples
- Works with all popular thermocouple types
- Wide temperature range (-270°C to $+1800^{\circ}\text{C}$)
- Built in cold junction compensation
- High resolution and accuracy
- No power supply required
- Supplied with PicoLog data logging software
- USB interface ensures problem free installation

SPECIFICATIONS

Number of channels	8
Accuracy	The sum of $\pm 0.3\%$ and 0.5°C
Overload Protection	$> \pm 10\text{V}$
Conversion time	200ms for cold junction compensation + 200ms per active channel
Input connectors	Miniature thermocouple
Max common mode voltage	$\pm 5\text{V}$
Output connector	USB1.1 connector (Type ?) cable supplied
Dimensions	85 x 145 x 25mm
Supplied software	PicoLog for Windows (3.x, 95/98/ME, NT/2000) Drivers & examples C, pascal, Delphi, Visual Basic, HP VEE and LabVIEW. A macro is also provided to collect data directly into an Excel spreadsheet

TC08 USB Based PC Temperature Data Logger Software and accessories



Type K Thermocouples

Pico Technology offers standard length type K thermocouple probes: Other probes are available from specialist temperature measurement companies and electronics catalogues.

Upon request Pico can also supply type J, K and T thermocouples up to 10m in length. These are exposed wire thermocouples, with a choice of a PTFE or fibreglass cable.

Probe Type	Material	Dimensions	Tip Temperature
Exposed junction wire	PTFE	Ø1.5 x 1000mm	-75 to 250 °C
Exposed junction wire	Fibreglass	Ø1.5 x 1000mm	-60 to 350 °C
Air Penetration Contact	Steel	Ø4.5 x 1300mm	-50 to 250 °C
	Steel	Ø3.3 x 1300mm	-50 to 250 °C
		Ø85 x 1300mm	-10 to 250 °C

PicoLog

PicoLog is a powerful but flexible data acquisition program for collecting, analysing and displaying data over long or short periods of time. Data can be viewed both during and after data collection in spreadsheet or graphical format. If required, the data can also be easily exported to other applications.

Software Drivers

For users who wish to write their own software or use our products with third party software, we provide free of charge, a range of software drivers and examples. Drivers are included for all versions of Windows (98SE/ME/2000/XP). Programming examples are supplied for C, Delphi and Visual Basic. There is support for third party software such as Labview, Agilent VEE 6.1 and Excel.