

High Temperature Data logger, Chart Recorder, ThermaViewer

A high Temperature data logger can be used to monitor temperatures that go as high as 2500°F. They are used with Thermocouple probes to monitor and document temperatures of kilns, ovens, or other ceramic processes.

The high temperature data logger has in some cases replaced the chart recorder that was traditionally used for these applications. Chart recorders have the advantage of having a viewable chart so that a worker who is controlling the heating process can see what the temperature is doing while he is operating the heating devices. The high temperature data logger has an advantage of not requiring paper charts, pens or maintenance but if an operator is trying to monitor conditions on a real-time basis he is out of luck because there is no way to view the temperature history until it is downloaded to a computer.

There is however, a better way to document and monitor temperature now. Industries that have traditionally used a high temperautre data logger or a chart recorder can benefit from the ThermaViewer. The ThermaViewer does exactly the same thing as the high temperature data logger and the chart recorder but with additional benefits.

The ThermaViewer, in addition to collecting high measurements over a period of time also immediately displays the results as a time-temperature graph on its large LCD screen. It is sort of like a combination of a digital data logger and a chart recorder.

The ThermaViewer is a high temperature data logger:

The ThermaViewer samples and stores in RAM memory temperature with a thermocouple as high as 2500°F. It can store over 44,000 measurements for each of its two thermocouple probes.

The ThermaViewer is a chart recorder:

The ThermaViewer draws a chart of the sampled data on its large LCD display. The big difference between the ThermaViewer and the mechanical chart recorder is that the ThermaViewer draws its chart electronically, whereas a mechanical chart recorder draws its chart with a pen on a paper chart. This means that you never have to replace a pen that has run out of ink or change the chart at the end of the day, week or month.

The ThermaViewer is easier to read:

The chart created on the ThermaViewer is a line graph and not a circular line drawn on a circular piece of paper like the chart recorder creates. This means that any employee who has gone through middle school will be able to tell what the chart is telling them. This is a huge benefit in non-technical environments or blue-collar workplaces.