

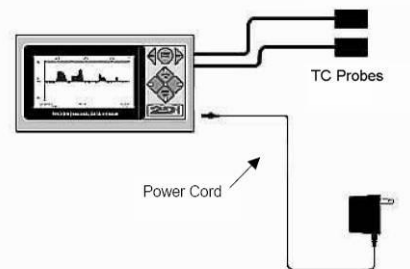


This month's application note comes from a friend of mine – Rick Kaestner. His unique product provides a paperless, computer downloadable temperature history, as well as an on-site graphic temperature representation. Take a look...

## **Monitoring And Documenting Oven Temperatures**

Many manufacturing processes use heat from heaters or ovens. It is important to monitor and document the temperature of these heater or ovens over time for quality assurance. The ThermaViewer with its flexibility in sample rates and displaying data makes it ideally suited for this purpose.

It can be set to sample and store temperatures at different rates. This allows for electronically buffering the temperature. For example, the ThermaViewer can be set to sample temperature every 15 seconds and store a value every 30 minutes. In this example, it will take 120 samples and then store some value. It can store the average of these 120 samples, or the maximum of the samples. It could also store the minimum value or the exact middle of the range.



In most cases a thermocouple probe is used to sample heat. Two type K probes are included. Our sensors group can also design special purpose probes to suit your particular application.

Using a ThermaViewer is simple, with minimum set-up time required. It stores and display months and even years of temperature history for each of its two probes. Because it doesn't need paper charts or pens to draw the graph, there is no ongoing labor or expense of replacing charts or pens. The graph, unlike the old paper charts, is very easy to interpret, which means that every associate will become part of your quality assurance team. Each time they glance at the ThermaViewer they will see a record of the past temperatures. It needs no programming or maintenance. Simply plug the ThermaViewer into a wall socket and begin collecting and documenting temperature immediately.

### **Installation of the ThermaViewer is a simple 5 step process:**

1. Position the two sensors in the oven or on the part to be monitored.
2. Route and Plug in the Thermaviewer Temperature module.
3. Route the two 20 foot cables to the Thermaviewer (100 foot cables are available as an option).
4. Plug the power adaptor into a wall socket and into the ThermaViewer.
5. Set the time and monitoring frequency

### **What to Order:**

- TDVD-05 \$ 649.00 - (Complete with 2 Type K TC's, computer cable and software)

**More Info:** (<http://www.AdvIndSys.com/ThermaViewer.htm>)