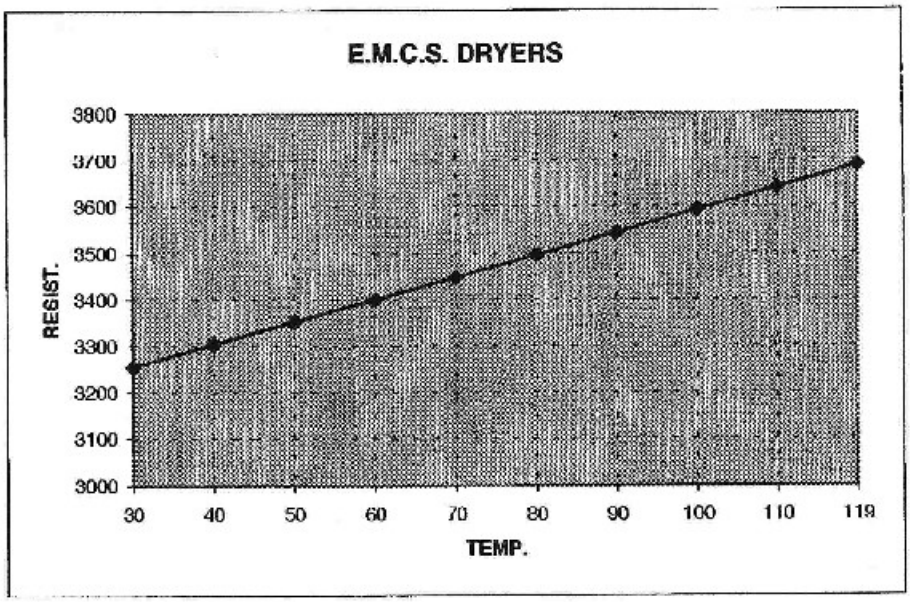

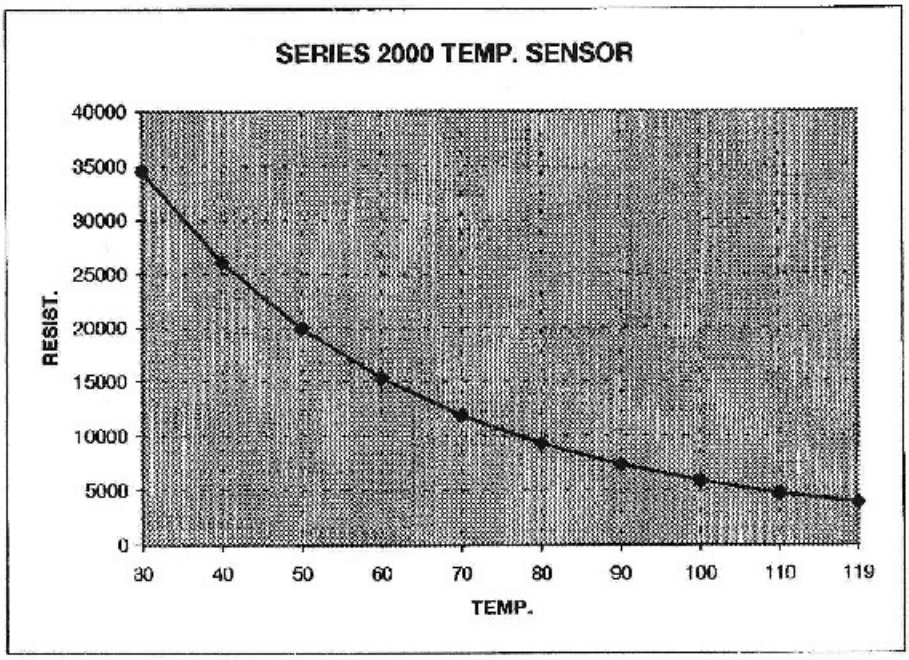

We use two (2) different types of sensors (NTC thermistor on the Competitor Series 2000, and an encapsulated sensor on the E.M.C.S dryer) in our dryers. The resistance of the sensors varies according to the outside temperature. For example, on the E.M.C.S. dryers, for every one (1) degree rise in temperature the resistance increases 4.8 ohms. However, on the Competitor Series 2000 dryer, the sensor reacts just the opposite, the resistance rises with colder temperatures. The charts displayed above will help when troubleshooting any sensor problems.

The Series 2000 Boards use the Thermister type sensors, the bolt style for the Plenum and the round style for the Grain Temperature.
The EMCS Boards use a RTD type sensor which is copper colored.

The Charts are located on the **Resource 2002 CD** in the "**Resources – Manuals**" Folder
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