

SERVICE NOTE

CS-3/CS4: Suspicious Thermometer

In the temperature systems CS-3 and CS4 are used thermometers with platinum sensor Pt100, whose resistivity varies with the temperature. If you notice the messages "**Missing or Temperature sensor error**" or "**Missing or Temperature sensor not connected**", follow next steps:

Procedure

1. Disconnect suspicious thermometer from the Pick-Up Unit and put it on clean table, as it is shown in Fig. 1.
2. If the error message appears during the measurement, first wait until the temperature cycle will finish and the furnace will have room temperature.
3. Measure the resistivity on the connector of the thermometer with the multimeter, as you can see in the Fig. 2.
4. Resistivity between pins number **14** and **15** should be approximately 110 Ohms at room temperature (20° C). Please let us know the results of your observations.



Figure 1: Temperature sensor

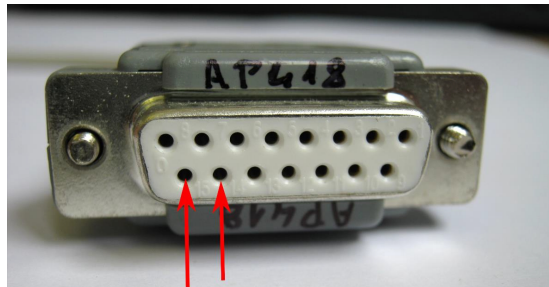


Figure 2: Connector of temperature sensor