

Temperature Probe Kit

This kit includes the following.

- 1 DGH 1311 Type J thermocouple
- 1 Omega Temperature Probe
- 1 12Volt 100MA Power Supply
- 1 4 foot cable with DB-9 female connector

This kit is for use with the *MasterCG™* Character Generator program. The kit is shipped with the probe connected to the DGH unit . This is a sample configuration. To test the unit connect the DB-9 connector to COM1 of a PC with *MasterCG* installed. Connect the Chyron Codi Character Generator to COM2 of the PC. Power the DGH thermocouple.

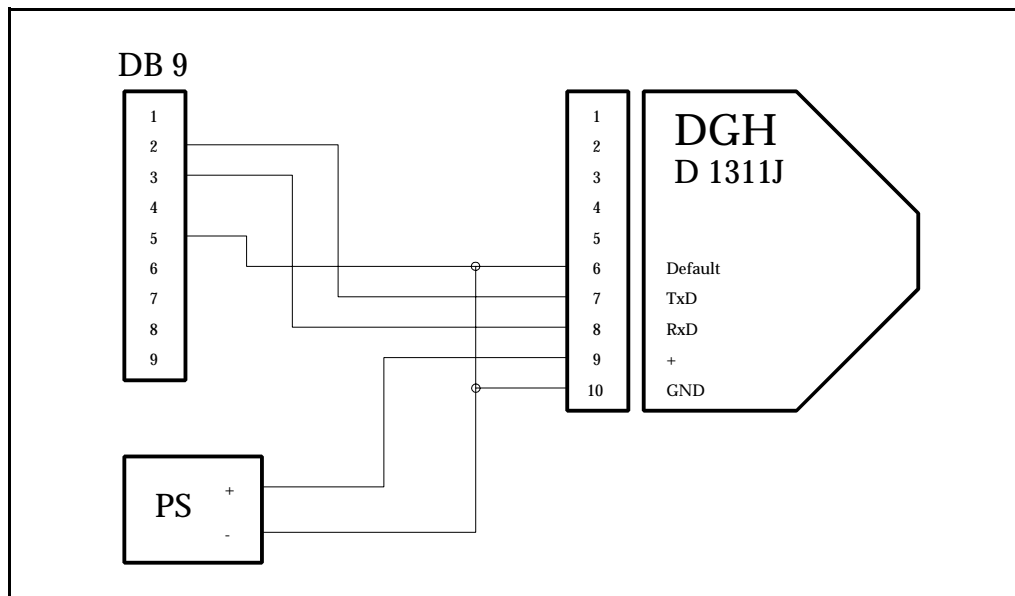
For *MasterCG* 3.0 and higher the temperature probe should be installed on COM3. A dedicated interrupt should be assigned to COM3.

WinMasterCG also requires the temperature probe be installed to COM3 with a dedicated interrupt assigned in Windows95.

When *MasterCG* is started select "Misc" followed by "Port Settings". "X" the box for automatic temperature probe and exit to DOS. The port values will be saved when the program has terminated. When you restart *MasterCG* the values you have entered will be used.

To display the temperature access "Time/Temp" and select "Display Time & Temperature".

A connection diagram has been provided.



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The standard for temperature measurement as used by the National Weather Service is as follows.

The temperature probe should be installed in a protected area five feet above ground and on the North side of the building.

The probe should not be in direct sunlight for accurate temperature measurement. The thermocouple should be installed in a weather proof box, such as an outdoor weather proof double gang electrical box. The connection to the temperature probe is short about 18 inches. The thermocouple is operating at 300 baud. This will allow the RS-232 output of the thermocouple to be run several hundred feet.

The temperature probe wire is a special thermocouple wire. If it is necessary to extend this wire use type J thermocouple wire only. A connection to copper wire will cause an incorrect temperature to be displayed. Thermocouple wire is available through Omega (800) 826-6342.

Note

The red wire of the temperature probe is connected to the (-) of the thermocouple.

For a complete description of the thermocouple see the DGH manual enclosed with the temperature probe.

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