



Temperature Probe Kit

This kit includes the following:

- 1 Thermocouple
- 1 Temperature Probe
- 1 12Volt 100MA Power Supply
- 1 4 foot cable with DB-9 female connector

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

For **WinMasterCG™** see page 30 of the WinMasterCG manual.

WinMasterCG™ also requires the temperature probe be installed to COM3 with a dedicated interrupt assigned in Windows95. (Note: **CGXPress** will not function with Windows95.)

See page 10 of the **CGXpress** manual for installation details..

To display the temperature, access "Time/Temp" and select "Display Time & Temperature". A connection diagram has been provided.

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 weatherproof box, such as an outdoor weatherproof 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.

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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. Contact BSS if additional thermocouple wire is needed.

Note

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

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

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2 = 7 of Thermocouple Tx

3 = 8 of Thermocouple Rx

5 = 6 of Thermocouple Default

PS+ = 9 of Thermocouple

PS- = 10 of Thermocouple and tied to 6

