

Universal Temperature Probe MODEL EI-1022

The EI-1022 is a universal temperature probe that consists of a National Semiconductor temperature sensor mounted in a plastic tube with a current limiting resistor. This probe when connected to 5 volts DC will output a nominal 3.0 volts at room temperature. The probe is suitable for air, surface and non-corrosive liquids.

The instruction manual for this unit shows how to configure the LJ Logger program to read out temperature in either degrees C or F. Instructions are also included to show the user how to calibrate the unit by adjusting the constants in the LJ Logger program.

The EI-1022 is intended to be connected to the LabJack for 5 volt power but can be used as a stand alone temperature sensor when connected to a DVM and a 5 volt source.

Multiple probes can be connected to the LabJack so that up to 8 sensors can be connected to one LabJack.



Specifications

Range: -40°C to 100°C (-40°F to 212°F)
Output to LabJack or Meter: 10 mV per °C
Resolution: 0.1°C on the 4V range
Accuracy uncalibrated: +/- 3 °C at 25 °C, typical +/- 1 °C
Accuracy calibrated: +/- 1 °C, typical +/- 0.5 °C
Sensor device in probe: LM335A
Cable length: 6 ft
Probe length: 4 in
Power: +5 VDC at .001 Amp

Manufactured by:

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