

LM34CAZ – Silicon Temperature Sensor



The LM34CAZ is the most accurate version of the LM34 precision temperature sensor made by Texas Instruments. It has a very convenient output of 10mV per °F, so 0.78V would correspond to 78°F. Customers who are using thermocouples on an external CB37 terminal board can use this sensor to determine the cold junction compensation(CJC) temp. Simply connect +Vs to LabJack VS, GND to LabJack GND, and Vout to a LabJack AIN terminal (FIO/EIO is best on the U3).

- Typical Accuracy **±0.4°F**
- Operating Range **-40°F* to +230°F**
- Output Voltage **10mV/°F**

This sensor is not manufactured by LabJack, so the [LM34 datasheet](#) is hosted by Texas Instruments. Some soldering may be necessary to add length to the sensor wires. For more details about this sensor and a detailed look at different kinds of temperature sensors, see our [temperature sensor app note](#).

*When powered by a LabJack device VS/GND, the range will be limited to 0 to 230 °F

RoHS:

Yes

Compatibility :

[T7](#)

[T7-OEM](#)

[T7-Pro](#)

[T7-Pro-OEM](#)

[U12](#)

[U12-NTH](#)

[U12-PH](#)

[U3-HV](#)

[U3-HV-OEM](#)

[U3-LV](#)

[U3-LV-OEM](#)

[U6](#)

[U6-OEM](#)

[U6-Pro](#)

[U6-Pro-OEM](#)

[UE9](#)

[UE9-Pro](#)