

Specification Sheet

Name of Device: R&K Temperature Sensor (R&K TemSens)

Description of Functionality:

This diode-thermometer, measures and displays temperatures in the range of 2°C - 86 °C and is accurate within 1°C. The sensor displays “ERROR: Temp. Too Hot” for temperatures above 86°C. The device is capable of displaying measured temperature of an optional LM35 Precision Centigrade Temperature Sensor.

Operating Instructions:

Supply the circuitry with 5.0V supply and 12.0V supply to the diode circuitry.

Operating conditions:

- Operating Voltage
 - Requires 5.0 V and 7.0-12.0V voltage sources
- Temperature Range
 - 2°C - +86°C

Input and Output parameters:

The device is supplied at an operating voltage of 5.0 and 12.0 volts and displays measured diode-temperature and the LM35 temperature sensor.

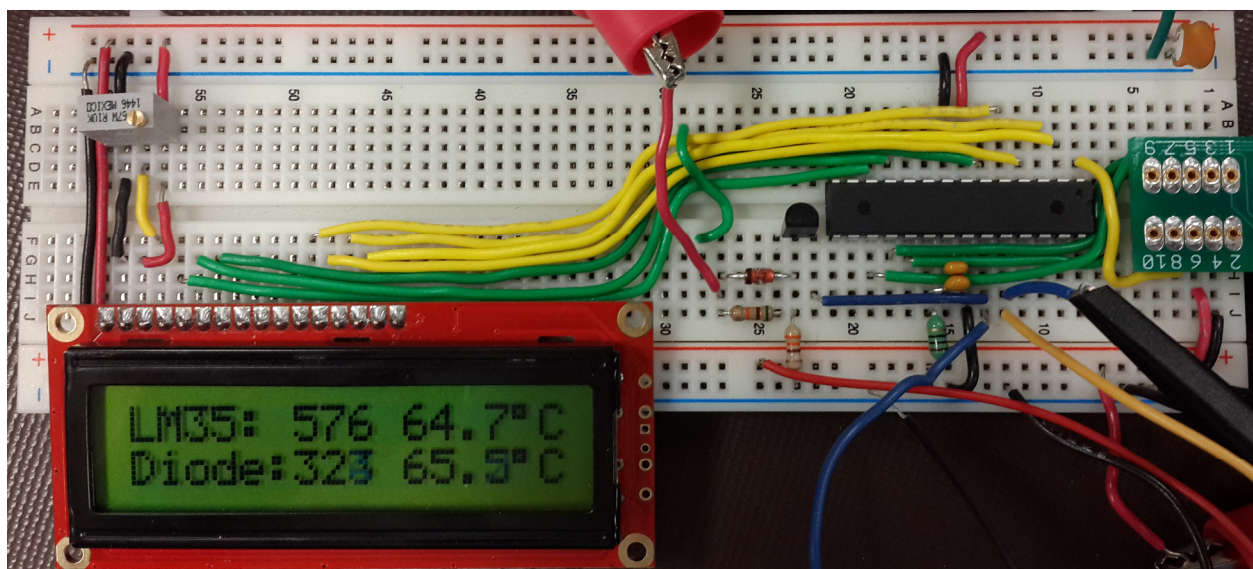


Figure 1: R&K TempSens prototype