

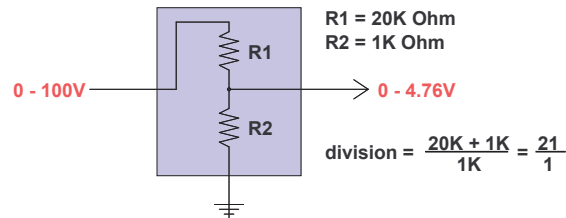
In this session, we will discuss the conversion of various sensor voltages to suite the needs of a data logger, microcontroller, or other circuit. Specifically, we will show how to add, subtract, multiply and divide voltages with simple circuits that can be combined to get the desired interface voltage for a wide variety of sensors.

This sheet is a summary. A more detailed discussion is available online at:

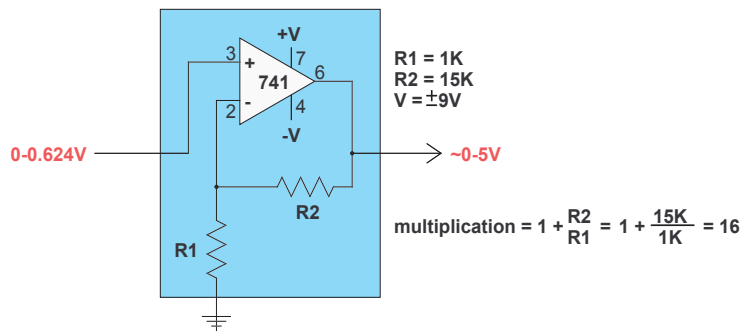
<http://www.acroname.com/robotics/info/articles/interface/interface.html>

This website page includes more information about power supply issues, noise, and other details associated with sensor voltage interfacing. Here are the basic component circuits we will be discussing:

Voltage Division (Reduction)



Voltage Multiplication (Amplification)



Voltage Addition/Subtraction (Offset)

