

Temperature Exercise 1

Required items:-

Mv (thermocouple) to current converter head

DVM

Mv injector

Wire



Connect the DVM to measure the 4-20 mA output signal from the converter using the 24vDC. Remember polarity of power supply and how items are connected in series.

Refer to type K thermocouple table and inject mv equivalent to 0% of the temperature converter head. Remember to subtract the cold junction temperature from the value that you inject. Make a note of the output reading and if required alter the zero.

Refer to type K thermocouple table and inject mV equivalent to 100% of the temperature converter head. Remember to subtract the cold junction temperature from the value that you inject. Make a note of the reading and alter the span adjustment if required.