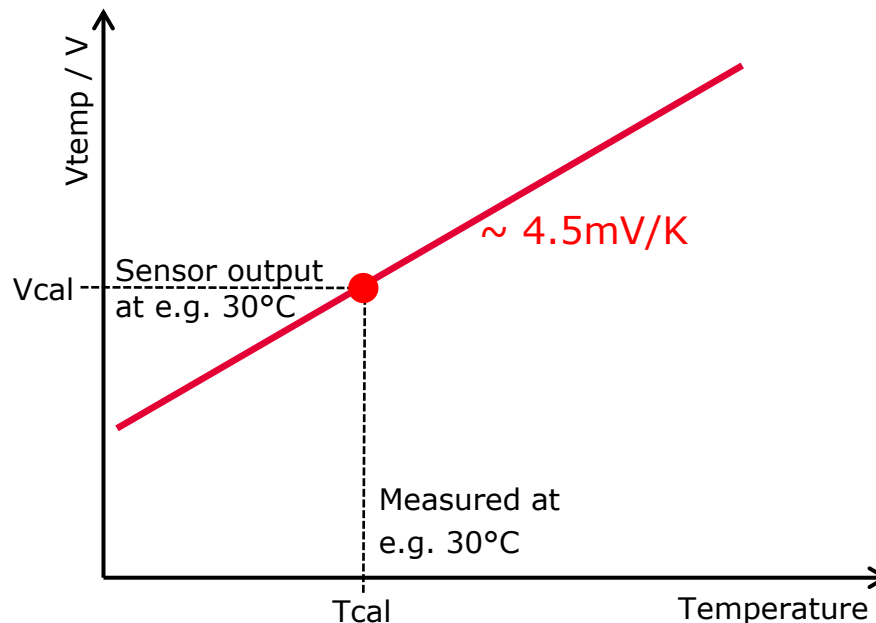


# Calibration of Temperature Sensor

# How to calibrate the temperature sensor

- › Measure sensor output at known temperature
- › Use this value pair ( $V_{cal}$ ,  $T_{cal}$ ) as a fix point
- › Extrapolate a line through this point with a gradient of  $4.5\text{mV/K}$
- › This will be the reference curve for the particular device
- › In order to get a  $\pm 15\text{K}$  accuracy of the sensor, the uncertainty of  $T_{cal}$  has to be below  $\pm 6\text{K}$





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