Coil:
R = 7.00 Ω
L = 4.27 mH

Hall effect sensor:
\[ v = 400.0 \, B + 2.5 \] (v in V, B in T), x and y sensors  
\[ v = 20.0 \, B + 2.5 \] (v in V, B in T), z sensor

Temperature sensor:
\[ v = 0.0426 \, T + 0.3723 \] (v in V, T in °C)