How will the voltage burden affect my current measurements?

By taking into account the voltage burden \((V_B)\), the measured current \((I_M)\) can be determined by the following equation:

\[
I_M = \frac{V_S - V_B}{R_S}
\]

where:  
\(V_S = \) source voltage  
\(R_S = \) source resistance

From the equation, voltage burden is only a problem when the source voltage is about the same order of magnitude as the voltage burden.

Model Numbers: 6485, 485, 480, 486, 487, 6517A, 6514, 614, 617, 642, 6512