GUARANTEEO THE GAIN IS SET TO PRECISELY 1000 ON THE VISHAY STRAIN GAUGE CONDITIONER

\[ V_{\text{EXCIT}} = 5 \text{ volts} \]

\[ 120 \text{ ohms strain gauge} \]

\[ 174 \text{ ohms} \]

\[ 350 \text{ ohms} \]

\[ \text{CAL SW CLOSED IN "A" POSITION} \]

\[ \text{INPUT TO AMP} \]

\[ 120 \text{ ohms strain gauge} \]

\[ 350 \text{ ohms} \]

\[ 2.5 \text{ volts} \]

\[ 2.5025 \text{ volts} = (350 / (350 + 349.3)) \times 5 \]

\[ \text{INPUT TO AMPLIFIER} = 2.5025 - 2.5 = 0.0025 \text{ VOLTS} \]

\[ \text{IF AMPLIFIER GAIN IS 1000 THE OUTPUT SHOULD EQUAL 2.5 VOLTS} \]