

Circuit Simulation Project

<https://esim.fossee.in/circuit-simulation-project>

Name of the participant : Kritish Mohapatra

Title of the circuit : Differential Instrumentation Amplifier Transducer Bridge

Theory/Description : The Differential Instrumentation Amplifier (IA) with Transducer Bridge is a precision measurement system designed to amplify low-level signals from sensors while rejecting common-mode noise. It integrates a Wheatstone bridge-based transducer with a high-gain instrumentation amplifier, enabling accurate and reliable measurement of physical parameters such as strain, temperature, or pressure.

Diagram(s) :

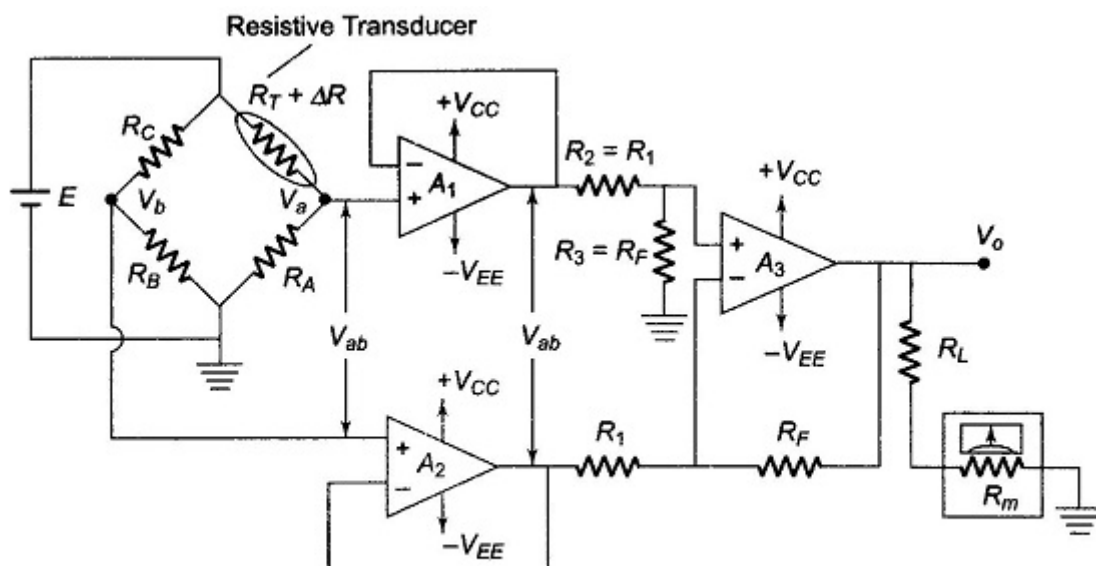


Fig. 14.25 Differential Instrumentation Amplifier using Transducer Bridge

Source/Reference(s) : <https://www.eeeguide.com/differential-instrumentation-amplifier-transducer-bridge/>