

REVIEWER'S REPORT

Manuscript No.: IJAR-53198

Date: 09-08-2025

Title: INDUCTOR TESTING CAN DETERMINE THE VALUES OF IMPENDATION, INDUCTIVE REACTANCE AND INDUCTANCE IN THE INDUCTOR

Recommendation:

Accept as it isYES.....

Accept after minor revision.....

Accept after major revision

Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality			✓	
Techn. Quality		✓		
Clarity		✓		
Significance		✓		

Reviewer Name: - Mir Tanveer

Reviewer's Comment for Publication.

Abstract Review:

The abstract provides a concise and clear overview of the study, starting with a functional description of inductors and the materials used in their coils. It outlines the experimental setup, including the types of inductors tested, the instruments employed, and the measurement process. The numerical results for resistance, voltage, impedance, inductive reactance, and inductance are clearly presented, enabling a straightforward understanding of the findings. The logical flow from measurement to analysis and final results is well maintained, and the inclusion of specific values adds precision and credibility.

Introduction Review:

The introduction effectively establishes the context of the study within the broader domain of electronic component testing. It connects technological advancements to the increasing importance of accurate component measurement, highlighting the role of inductors in electronic circuits. The explanation of inductors' function in terms of energy storage in a magnetic field is accurate, and the reference to measurement tools situates the study within a practical, applied electronics framework. The section maintains a clear and direct academic tone and leads naturally into the rationale for the research.

Overall Evaluation:

The text is coherent, factually consistent, and technically sound. The combination of experimental details with quantitative results ensures clarity and reproducibility. The structure adheres to a scientific presentation style, with a logical progression from component description to experimental procedure and results. The emphasis on measurable parameters such as impedance, inductive reactance, and inductance aligns well with the study's stated aim.