

REVIEWER'S REPORT

Manuscript No: IJAR-54581

Title: Design of a measuring device for the implementation of a method for simultaneous determination of conductivity and diffusivity of building materials.

Recommendation:

Accept as it is

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: NIKHIL GUPTA

Suggested Revision-

Title

Current

Design of a measuring device for the implementation of a method for simultaneous determination of conductivity and diffusivity of building materials.

Suggested Revision- Design and Validation of a Device for the Simultaneous Determination of Thermal Conductivity and Diffusivity of Building Materials

(Reason: shorter, smoother phrasing; emphasizes the practical validation.)

Abstract / Summary-

Issues

Repetition (measuring device measuring device)

Units and scientific notation need correction.

Punctuation and sentence structure can be clearer.

Introduction

Issues-

Good motivation but some redundancy.

Needs smoother transition between global and local contexts.

Discussion-

Use at least three representative samples per material.

Pre-condition samples under controlled temperature and humidity.

Ensure tight thermal contact between sensors and sample surfaces.