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Product Name :	**Product Code :**
Thermal Conductivity of Building Materials Apparatus	NLAB-ENGINEERINGLB56012

Description :

Thermal Conductivity of Building Materials Apparatus

Technical Specification :

Determination of the thermal conductivity of building materials

Thermal conductivity and thermal resistance measurement in accordance

Reproducible clamping pressure due to clamping device

8 specimens to be put between hot and cold plate

Hot plate with heater mat

Cold plate with water cooling and heat flux sensor

Software controllers for temperature adjustment of hot and cold plate

3 temperature sensors for the cooling water: at inlet, at outlet and a mid temperature of the hot and the cold plate

2 temperature sensors for surface temperature.

Technical Data

Electric Heater Mat

Power: 500W

Max. temperature: 200°C

Specimens

lxLxW: 300x300mm

Thickness: up to 50mm

Material: Armaflex, grey cardboard, PMMA,

Polystyrene, PS, POM, cork, plaster

Measuring Ranges

Temperature: 3x 0…100°C, 2x 0…200°C

Heat flux density: 0…1.533W/m²

Naugralabequipments

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