

Product Name :
Computerized Emissivity Measurement Apparatus

Product Code :
ENGLABINGCAG330002



Description :

Computerized Emissivity Measurement Apparatus

Technical Specification :

FEATURES:

- Effect of different surfaces on heat transfer by radiation
- Functions educational software, data acquisition, system operation
- Fundamentals of heat transfer
- Study transient behavior
- Create power balances
- Verify Lambert's inverse-square law
- Verify Stefan-Boltzmann law
- Verify Kirchhoff's law

SPECIFICATION:

- Halogen lamp :
- Electrical power: 150W
- Max. Temperature: approx. 560°C

- Aluminum samples, \varnothing 20mm
- 1x matt anodized on both sides
- 1x painted on both sides (high-temperature paint)
- 1x matt anodized with one painted side

Copper samples, Ø 20mm
1x nickel-plated
1x heavily oxidized

Steel sample, Ø 20mm
1x heavily oxidized

Measuring ranges :
Temperature: 0...780°C
Radiation intensity: 0...1250W/m²

Required for Operation :
230V, 50Hz, 1 phase
230V, 60Hz, 1 phase; 120V, 60Hz, 1 phase



Engineering Lab Equipment India