

**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

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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/m<sup>2</sup>

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



**Engineering Lab Equipment India**