

Product Name :
Thermal Radiation Unit Apparatus

Product Code :
NLAB-ENGINEERINGLB56013



Description :

Thermal Radiation Unit Apparatus

Technical Specification :

Investigating thermal and visible radiation

Blackbody emitter with thermopile to investigate thermal radiation

White light source with luxmeter to investigate visible radiation

Absorption plate and reflection plate fitted with thermocouples to investigate Kirchhoff's laws

Intensity of thermal radiator and light source adjustable

3 colour filters with holder (red, green, infrared), aperture

Luxmeter to measure the illuminance

Thermocouples to measure the temperature

Thermopile to measure the radiation capacity

Technical Data

Thermal Radiator

power output: 400W

max. temperature that can be reached: 150°C

radiation surface area: 0,032m²

Light Source

power output of light bulb: 42W

angle of rotation, both sides: 0...90°

illuminated area: 0,0289m²

Measuring Ranges

illuminance: 0...2.000 Lux

temperature: 2x 0...1.000°C

adiation capacity: 0...400W/m²

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