



GENERAL EXPLANATION

This training set has been developed to understand and calculate the basic mechanism of heat transfer by radiation.

EXPERIMENTS

1. Inverse square law of heat experiment
2. Stefan Boltzmann law experiment
3. Experiment to determine the diffusion of different types of plate surfaces
4. Inverse square rule of light experiment
5. Lambert's cosine law experiment
6. Beer-Lambert law experiment

DIMENSIONS

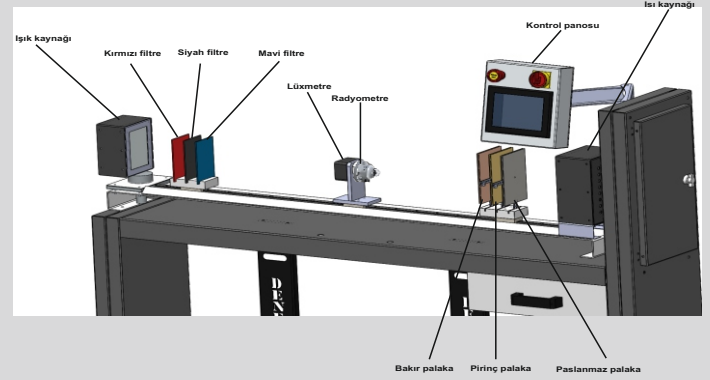
A x B x H : 1580 x 600 x 1300 mm

OPTIONAL FEATURES

- Touch LCD Display
- USB Computer Connection
- Computer Control

TECHNICAL SPECIFICATION

Radiation; the transmission of energy in the form of electromagnetic waves or particles. If the number of neutrons in a nucleus of a substance is greater than the number of protons, this substance shows an unstable structure and the neutrons in the core are broken up by emitting various rays such as alpha, beta, gamma. The aim here is to observe the transfer of energy from one object to another through radiation.



TECHNICAL DETAILS

- Radiation sensor
- Luxmetre
- Temperature sensors
- White light observable radiation radiator
- Color filters in different colors
- Measuring with angle adjustment
- Radiation source

PACKAGE INCLUDED

Device, device cover, 1 printed experiment report, circuit diagram and product catalog