

# Cone Calorimeter



The is used for the determination of the fire behavior of the various samples in the solid state. This Device is used to collect information of the various parameters associated with the burning characteristics such as ignition time, mass loss, combustion products, heat release rate etc. of various samples. For the determination of Heat Release Rate, the Samples are exposed to the irradiative heat flux at the surface.

## Conical Heater

Element 5000W electrical heating element

Heat Flux 100kW/m<sup>2</sup>Irradiative Heat Flux

Radioactive Shield Placed between Specimen & Heater

## Sample Holder

Holder 106mm X 106mm at top and 25mm height

Sample Size 100mm X 100mm



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