



The apparatus consists of a test plate and a comparator. A black plate is used as a comparator for test plate. When all the physical, dimensions and the temperatures are equal, heat losses from both plates will also be the same, except radiation losses. Hence the input difference will be due to difference in emissive. Both the plates are kept in a panel enclose with perplex front and are given inputs through separate dimmerstats so that temperatures of both can be kept equal. Thus emissivity can determine over a wide range of temperatures.

SPECIFICATIONS:

1. Test plate and Black plates — 160mm. Dia. Aluminum plates, mounted in Panel with mica heater inside.
2. Instrumental panel consisting of-
 - a) Voltmeter and ammeter for input measurement to both heaters through a selector switch.
 - b) Separate dimmers for both the plates.
 - c) Multichannel digital temperature indicator.A technical manual accompanies the unit.

SERVICES REQUIRED:

1. Space area of 1.5m x 1 m. at working height.
2. 230v, 15A, AC supply with earthing connection

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tesca.in