



# Infrared Flat Plate/Black Body Calibrator

## Model : EDIR-50

Black body Flat plate calibrator for body temperature infrared (IR) indicator



### Special Features

- 1) Compact and light weight, Easy to carry.
- 2) Large flat plate diameter to enable Calibration from larger and safe distance.
- 3) Excellent thermal stability and thermal uniformity.
- 4) Additional provision(optional) for connecting extra reference Sensor.

### Technical Specification

- 1) Temperature Range: 25 °C to 50 °C(77 ° F 122 °F)
- 2) Display resolution 0.1 °C
- 3) Control accuracy: better than  $\pm 0.1$  °C
- 4) Thermal Non uniformity(Radial) :  $\pm 0.35$  °C (Applicable for 40 mm dia)
- 5) Thermal stability  
 $\pm 0.20$  °C (calculated after stabilization time of 10 minutes).
- 6) Power supply: 230 VAC @50-60 Hz.
- 7) Time to reach 25° C from ambient ( 60 Sec).
- 8) Stabilization Time/settling time: 10 minutes after set point is achieved
- 9) Emissivity: 0.95.
- 10) Power Consumption: single phase , 300 Watt maximum.
- 11) Current : 3A
- 12) Sound: 45dB Maximum.
- 13) Enclosure Metal(MS) Powder coated.
- 14) Weight: 10.14 kg without bag.
- 15) Dimensions: D: 265mm, H: 300mm, W: 225mm.

### Standard Accessories

- 1) Operating manual With Warranty certificate
- 2) Power Chord.
- 3) Carrying Bag(optional if orderd)
- 4) Calibration Certificate.( Not accredited to 17025)
- 5) 17025 accredited calibration certificate(optional if orderd).
- 6) RTD PT 100 accuracy class A for referance temperature measurement (optional if orderd).

