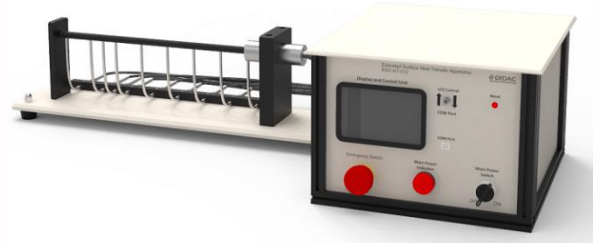


Extended Surface Heat Transfer Apparatus (EDC-HT-012)

EXPERIMENTAL DATA:

- Study of thermal conductivity of rod material.
- Extended surface heat transfer calculation.
- Theoretical and practical measurement comparison of heat transfer.



DESCRIPTION:

A long horizontal rod heated at one end, provides an extended surface (pin) for heat transfer measurements. Temperature sensors at steady interludes along the rod allow the surface temperature profile to be measured. Electrical heater used to heat the rod with adjustable power and safety for high temperature.

Optional Software is available for Data Acquisition and Control Function.

SPECIFICATIONS:

- Extended surface heat transfer study.
- 6 samples made of different materials and with different lengths.

TECHNICAL DATA:

- Temperature sensor on rod at different positions.
- Temperature Range:
 - 150° C.
- Rod Length:
 - 200mm max.
- Adjustable Heater power:
 - 10 to 50W.
- 230V AC 50Hz.

DIMENSIONS AND WEIGHT:

- L x W x H (mm): 500 X 400 X 300 approx.
- Weight: 20 kg approx.

SCOPE OF DELIVERY:

- 1 x EDC-HT-012.
- 1 x Instructional Manual.

