
THERMAL CONDUCTIVITY KIT 072



CENTRE FOR MICROCOMPUTER APPLICATIONS

<https://cma-science.nl>

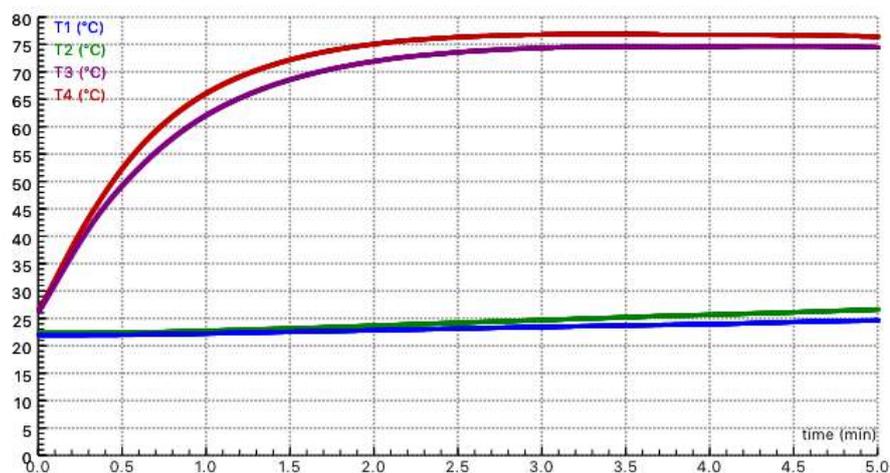
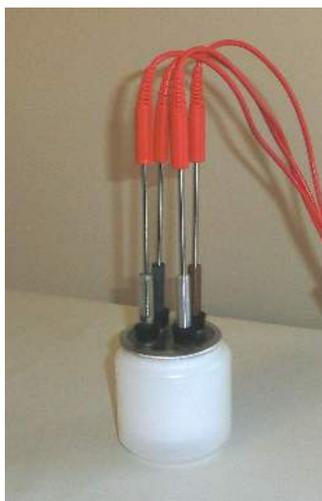
Short description

The CMA Thermal Conductivity Kit can be used for qualitative or quantitative investigations of thermal conduction in solids.

The kit consists of:

- Calorimeter with plastic cover with 4 holes for rods.
- 6 rods with rubber stoppers to fit into the calorimeter cover. Rods are made from copper, steel, aluminium, wood, plastic and pvc. Each rod has a hole for supporting a temperature sensor or a thermometer (not provided in the kit).
- 2 additional rubber stoppers without a hole.

The graph below shows an example of measurement results. In the experiment four rods, pvc, plastic, aluminum and copper rods, with a temperature sensor inserted in each of them, are immersed simultaneously in the calorimeter containing hot water as shown on the photo below.



Check the Teaching Resources provided on the CMA website (<https://cma-science.nl>) to find the ready-to-go activity for this kit.

Warranty: The Thermal Conductivity Kit 072 is warranted to be free from defects in materials and workmanship for a period of 24 months from the date of purchase provided that it has been used under normal laboratory conditions. This warranty does not apply if the product has been damaged by accident or misuse.

Note: This product is to be used for educational purposes only. It is not appropriate for industrial, medical, research, or commercial applications.

Rev. 04/03/2019