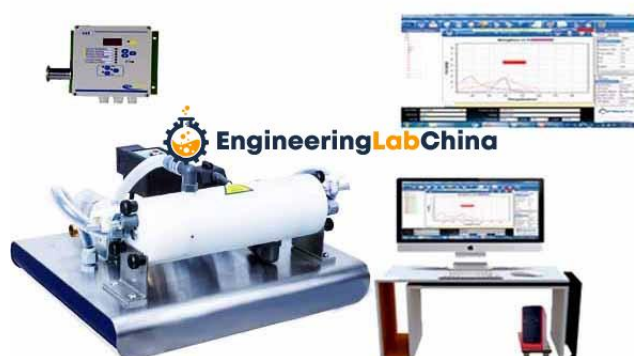


Product Name :
Computerized Thermal Conductivity of Liquid

Product Code :
CHINAELABC2620007



Description :

Computerized Thermal Conductivity of Liquid

Technical Specification :

FEATURES:

Steady heat conduction in gases and liquids:

Determine the thermal resistance of fluids

Determination of thermal conductivities k for different fluids at different temperatures

Transient heat conduction in fluids:

Interpret transient states during heating and cooling

Introduction to transient heat conduction with the block capacity model

Functions of the software: educational software, data acquisition, system operation

SPECIFICATION:

Concentric annular gap between 2 cylinders containing the fluid being studied

Inner cylinder, continuously electrically heated

Water-cooled outer cylinder

Specific heat capacity: $890 \text{ J/kg} \cdot \text{K}$

Heat transfer area: $0,007439 \text{ m}^2$

Heater :

Heating power: 350 W

Temperature limitation: 95°C

Annular gap :
Height: 0,4mm
Average diameter: 29,6mm

Inner cylinder :
Mass: 0,11kg

Measuring ranges :
Temperature: 2x 0...325°C
Heating power: 0...450W

Required for Operation :
230V, 50Hz, 1 phase
230V, 60Hz, 1 phase; 120V, 60Hz, 1 phase



Engineering Lab China