

Narika product name:

Heat Comparison Thermometers

Product Description:

Pair of heat thermometers with wire in
different diameter (thickness)

Catalog Number:

B10-5747-W4

Keywords:

- Energy conversion
- Electric current

Overall advantages to users:

- LCD thermometer taped on the heating wire makes it easy to visually observe and compare the difference in thermal elevation caused by the difference in wire thickness.

Benefits to users:

● To all users:

- Easy to understand relationship between energy consumption and diameters of wires with visualized temperature.
- Easy to understand relationship between amount of electric current and diameter (thickness) of wire by feeling different handle's resistance (heaviness) caused by different torque if "Genecon" (hand-held DC generator) is used for the power source.
- In combination with dry cell and meter(s), theoretically accurate result can be obtained.

● To teachers:

- Portable and versatile enough to combine with any type of electric circuit and/or meters including Narika's "In-line type Digital Miniature Ammeter/Voltmeter" (A05-7060-W0/A05-7065-W0).

● To Students:

- Easy to assemble with any other meter(s), as well as a hand-held generator as the power source.

Specifications

- Diameter of wires: $\phi 0.2\text{mm}$, $\phi 0.4\text{mm}$.
- Length of each wire: 230mm.
- Rated value: 3.0V, 1A
- Thermometer range: 16~36° C

