

INSTRUCTIONS FOR THE USE OF
NO. 1743 THERMO-ELECTRIC PAIR



NO. 1743

This consists of a strip of copper and a strip of German silver, riveted together at one end, and being provided at their ends with leads, which can be connected to a galvanometer. This setup requires a sensitive galvanometer, the equivalent of either our Nos. 2726 or 2690, the binding posts of the galvanometer being connected to the two wires which are fastened to the loose ends of the thermo couple. On holding the juncture of the two metals in the gas flame the galvanometer should show a marked deflection indicating that the unequal heat of the terminals of the two metals has set up a thermo current depending upon the thermo-electric potentials of the two metals used. The theory of this phenomenon can be found in any text on Physics.

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