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BIMETALLIC STRIP

CAT NO. PH0383



Instruction Manual

INTRODUCTION

This item consists of a Copper strip securely attached to a steel strip. The combination is fitted into a wooden handle.

ACTION

When heated, the Copper of greater expansivity, expands more than the steel (of less expansivity). The two materials cannot move apart, so the bimetallic strip curves, with the Copper on the outside of the curve.

Should liquid nitrogen be available, the bending of the bimetallic strip in the opposite direction can be shown.

HANDLING

It is safe to hold the bimetallic strip above (and away from) the flame of a Bunsen burner. This brings about a swift action without damaging the product. Intense heat, however, can cause a permanent distortion.

APPLICATIONS

The uses of bimetallic strips are numerous. Amongst the more common are:

- In non - liquid thermometers.
- In thermostats, to make or break electrical circuits under hot or cold conditions.
- With an electric heating coil as a component in car direction - Indicator lights.

Manufactured by :



U.S. Distributor :

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