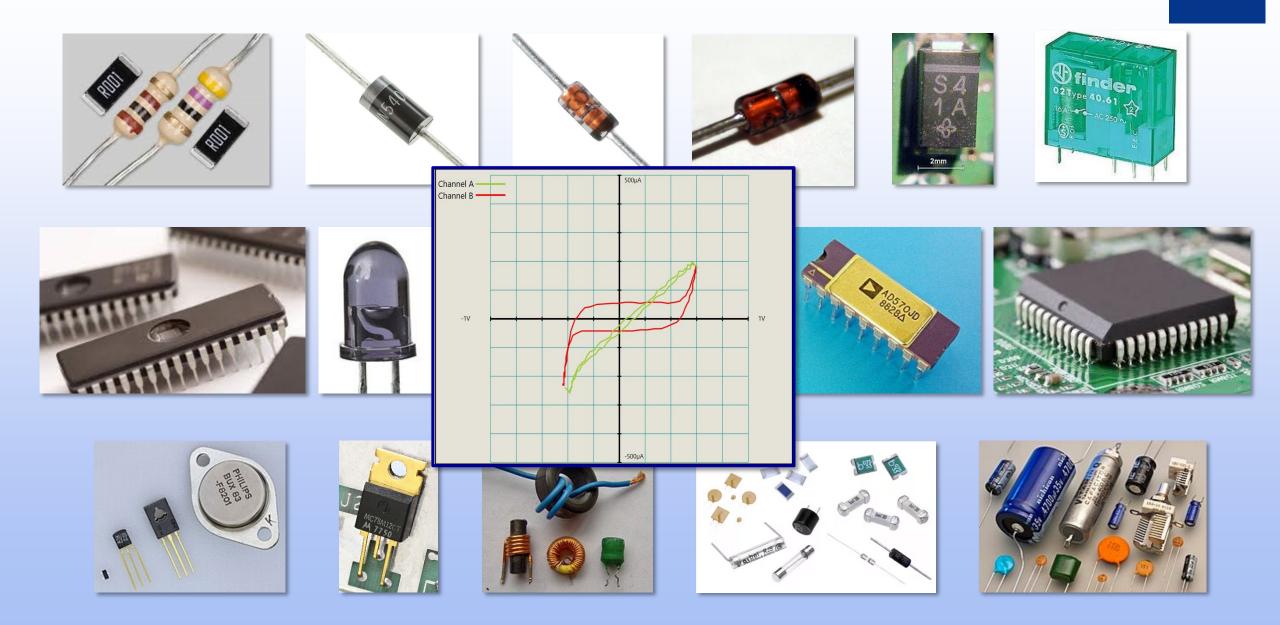
Pelar

Instruments



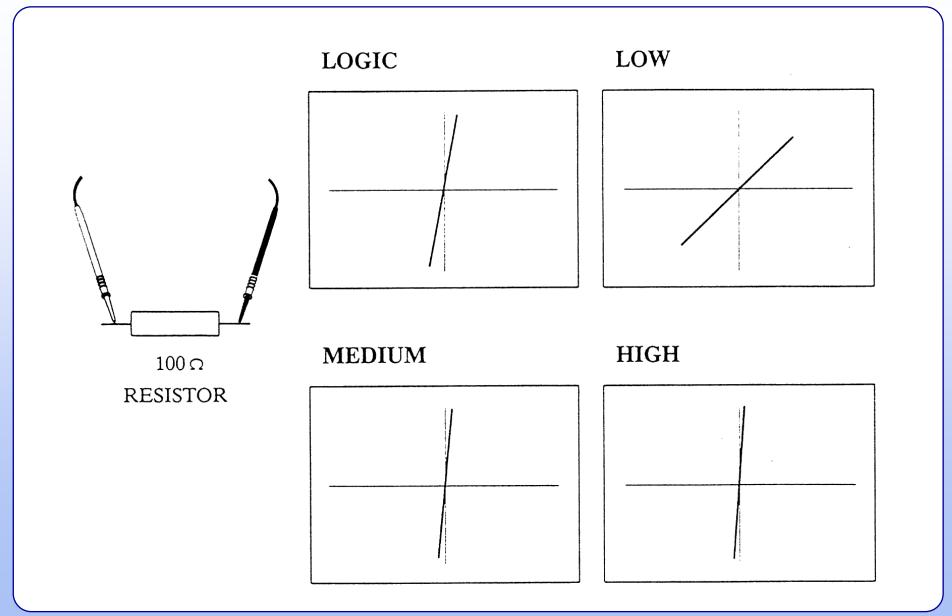


The following pages have been compiled from signatures produced on a Polar Fault Locator by a selection of components. They include some comparisons of IC's from different vendors. We cannot guarantee that the signatures produced in your circuit will be exactly the same as these since manufacturers can change their processes which may alter the signatures. You should however find them useful when you do not have a known good board.

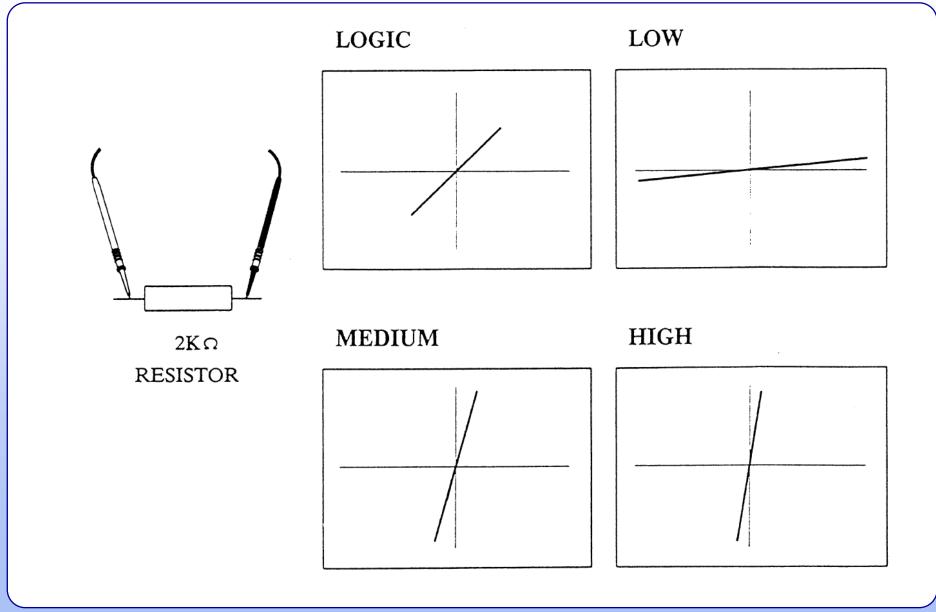
We also give an overview at the end of this section on typical defective IC signatures. This can help when comparing IC's from different vendors that produce different signatures.

Experienced users of the Polar Fault Locator have little difficulty in recognizing a defective or potentially defective signature regardless of whether they have a comparison board.

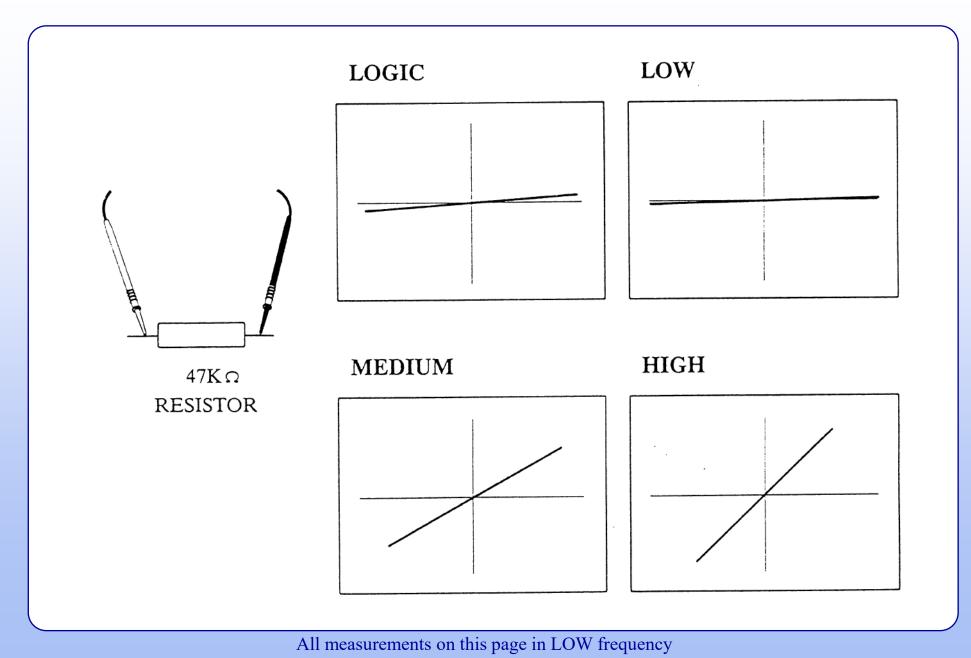




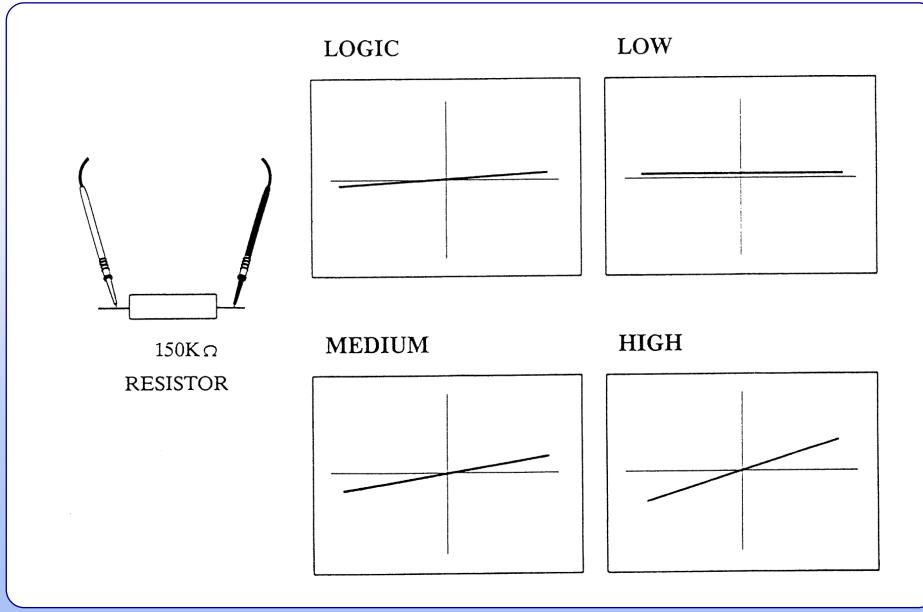




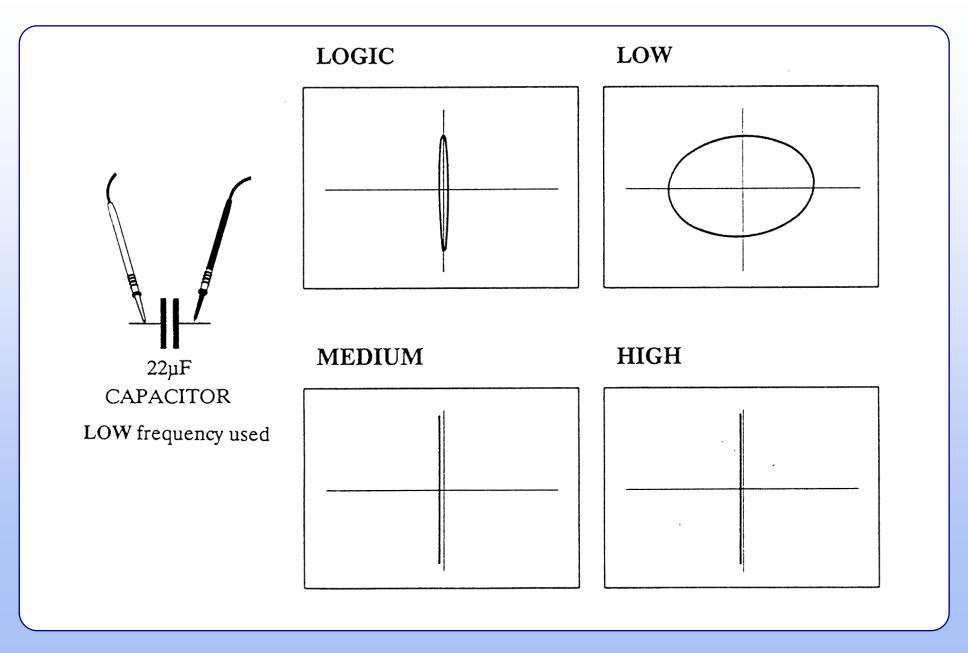




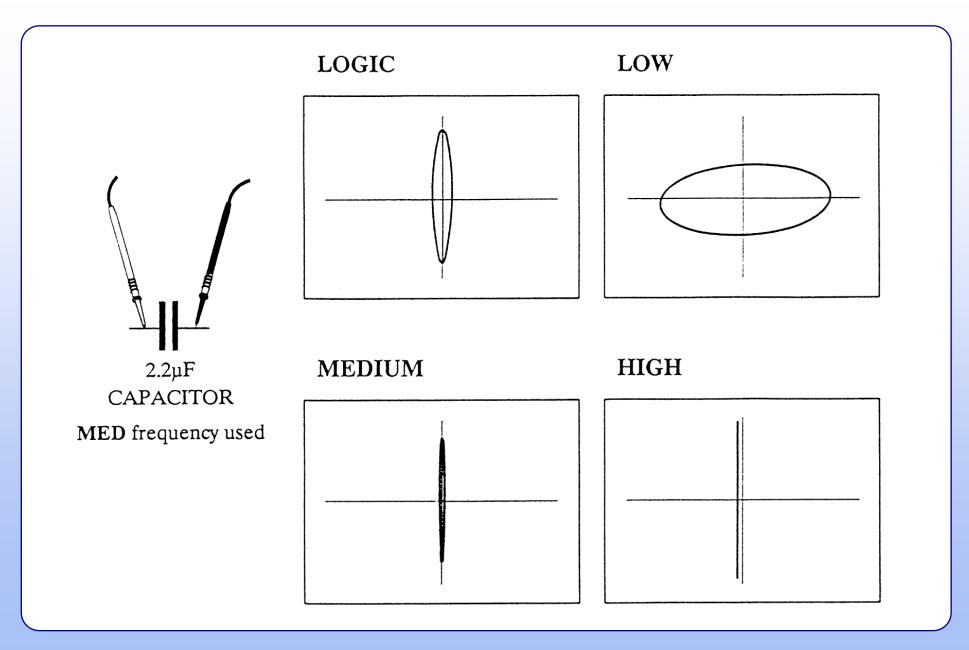




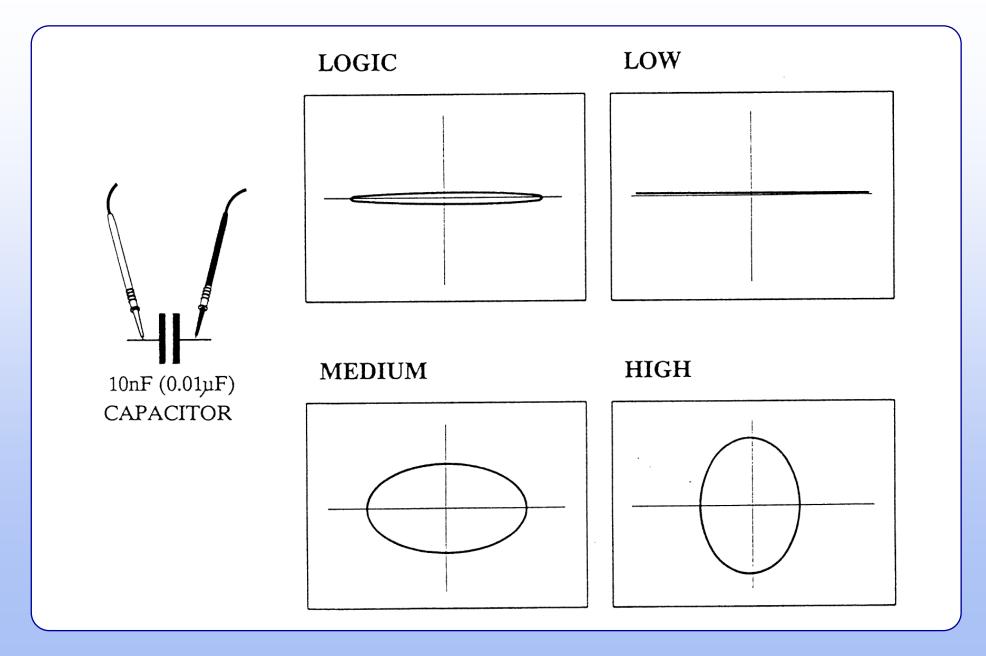




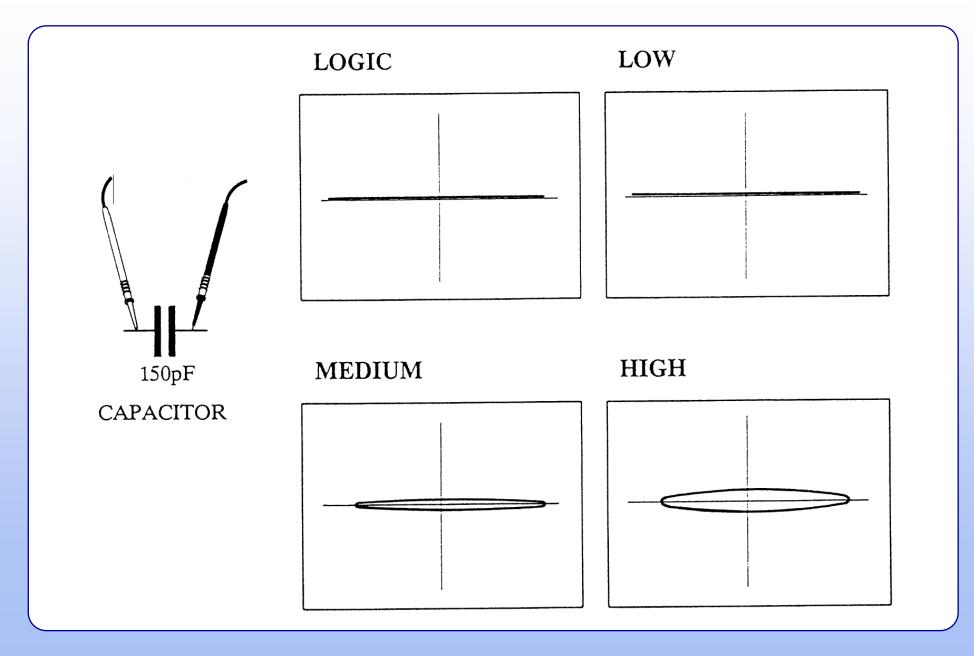




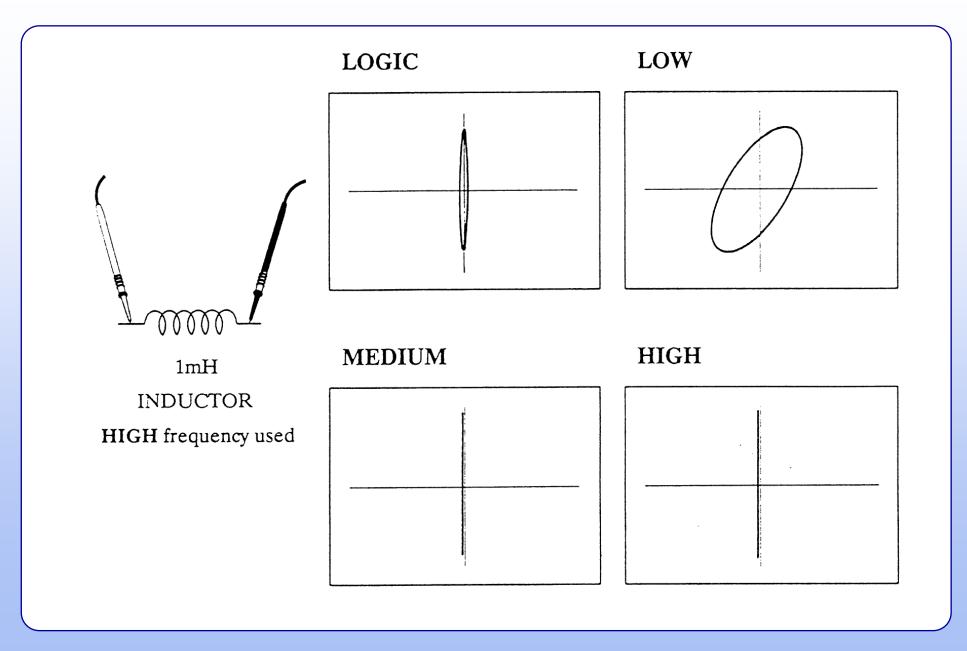




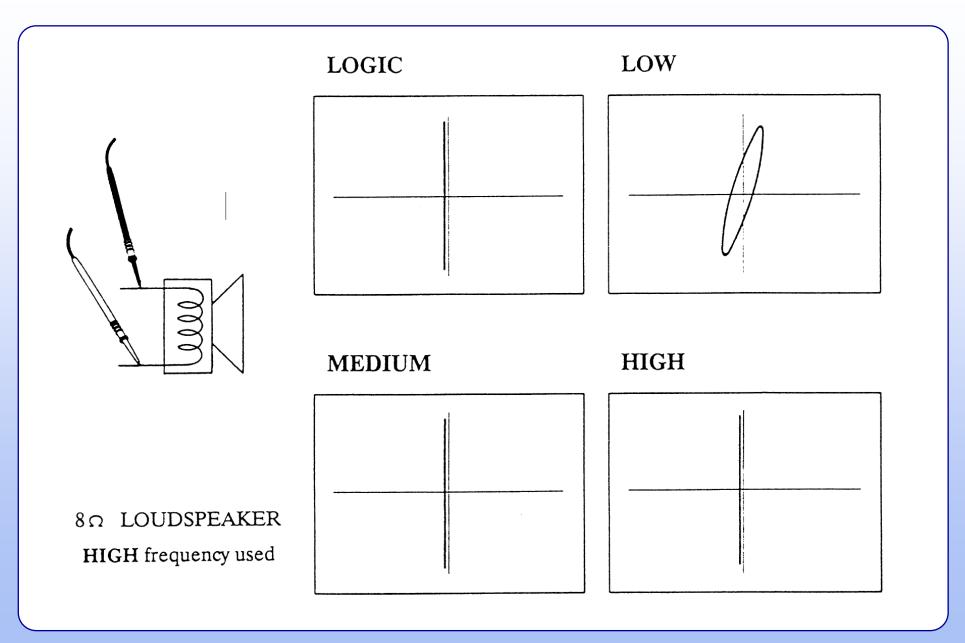




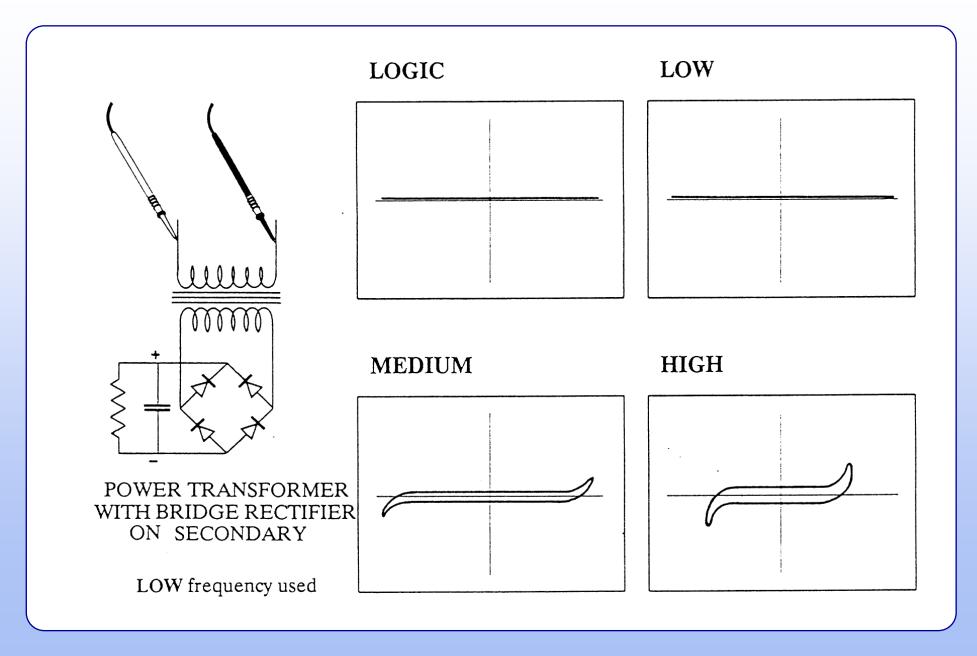




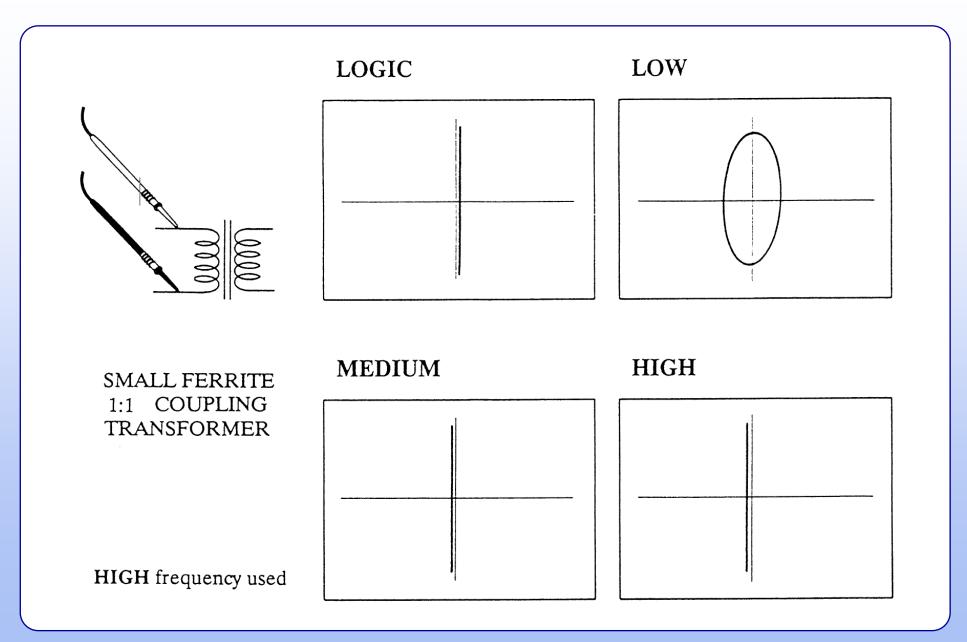




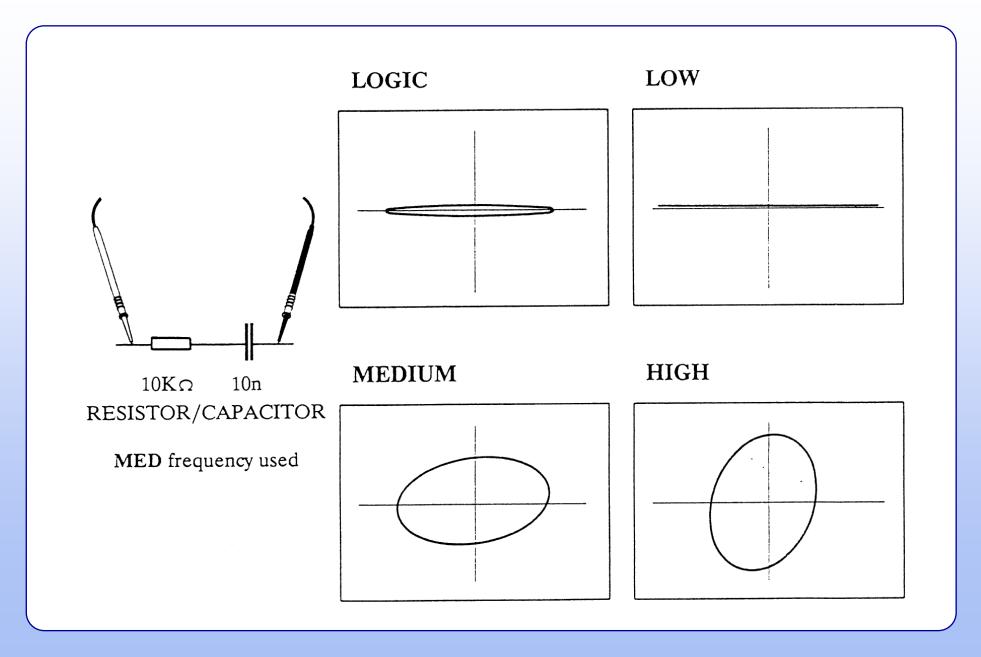




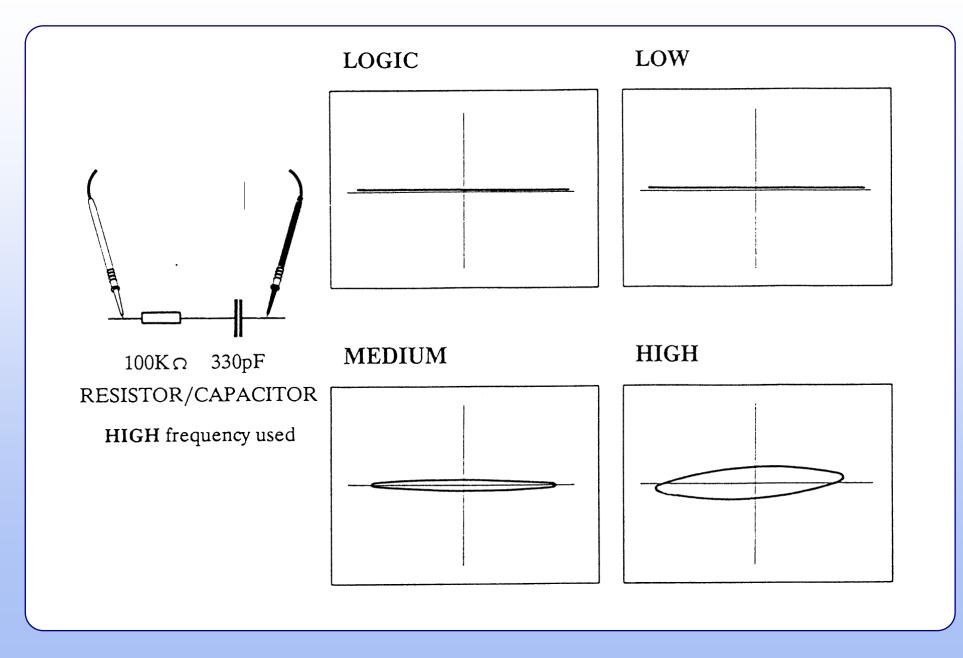




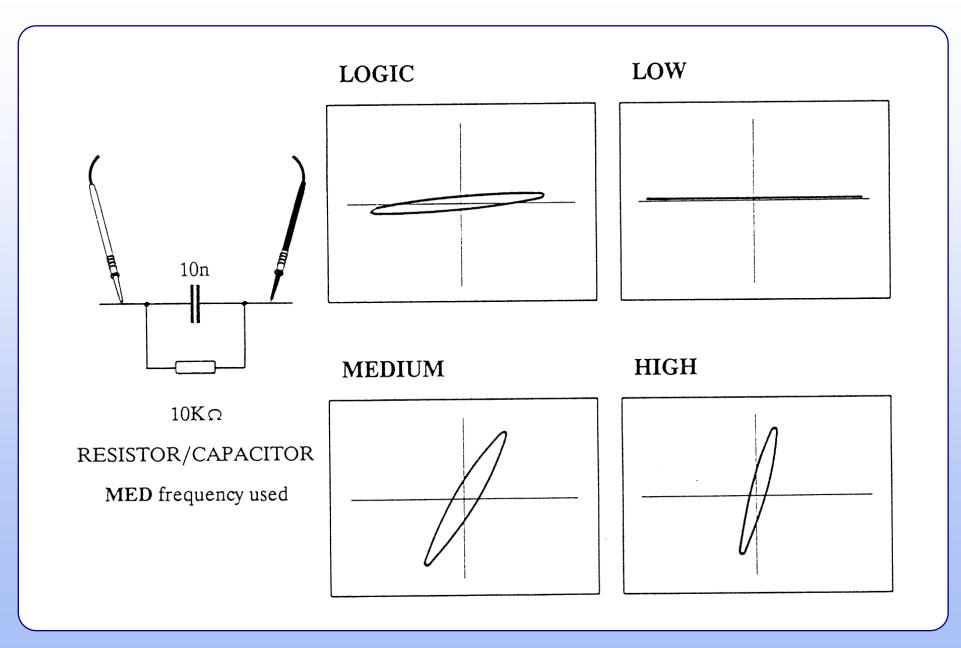




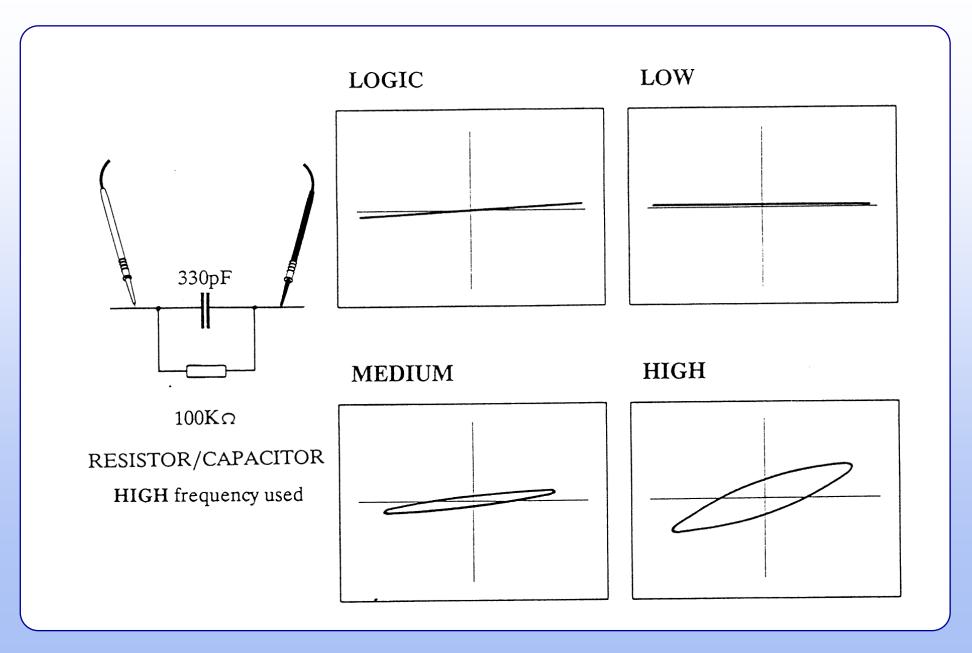




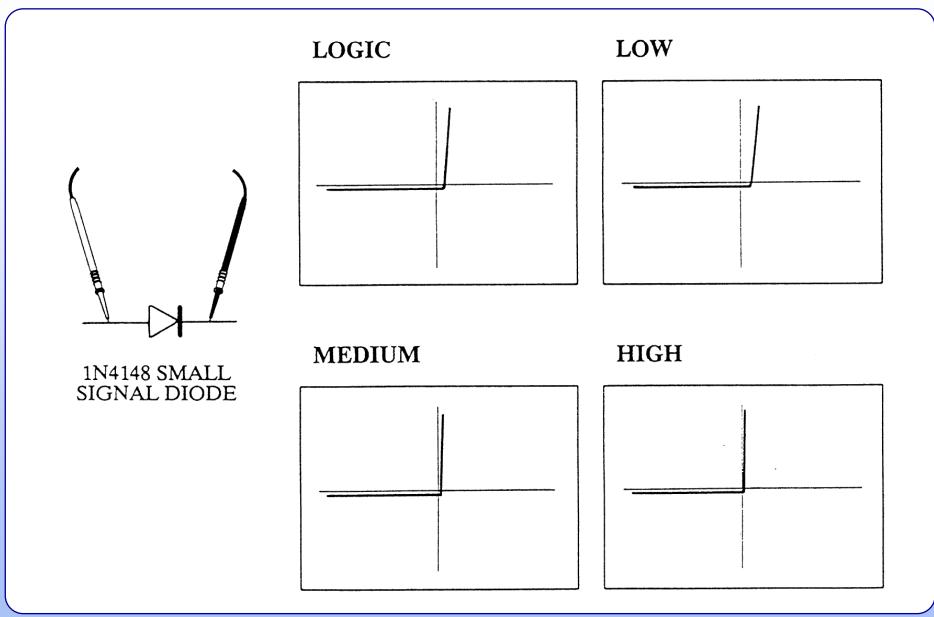




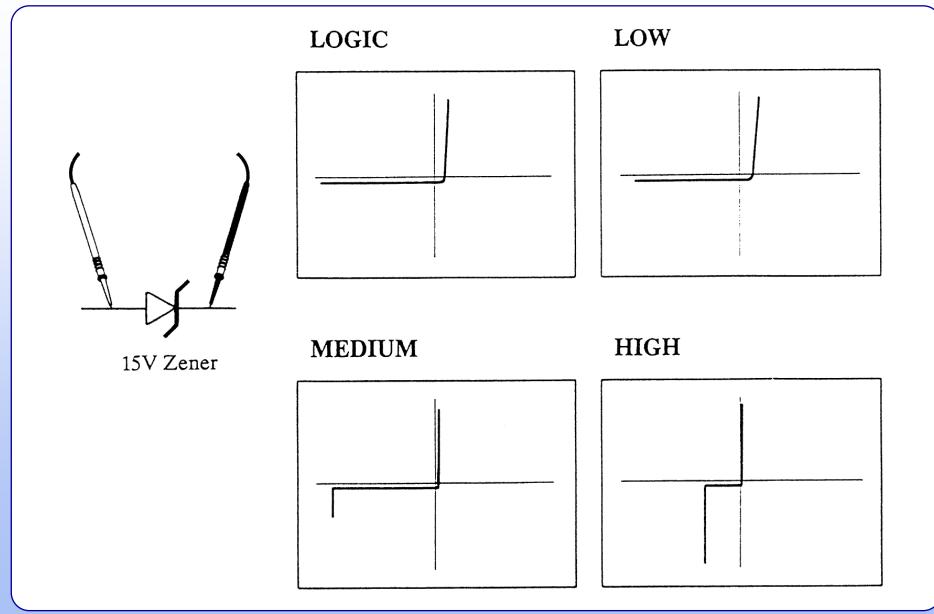




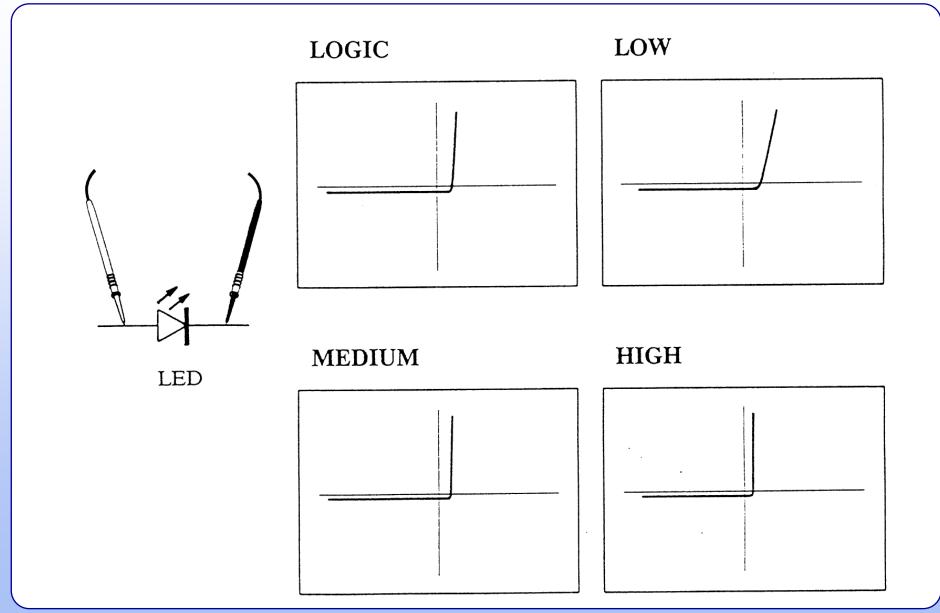




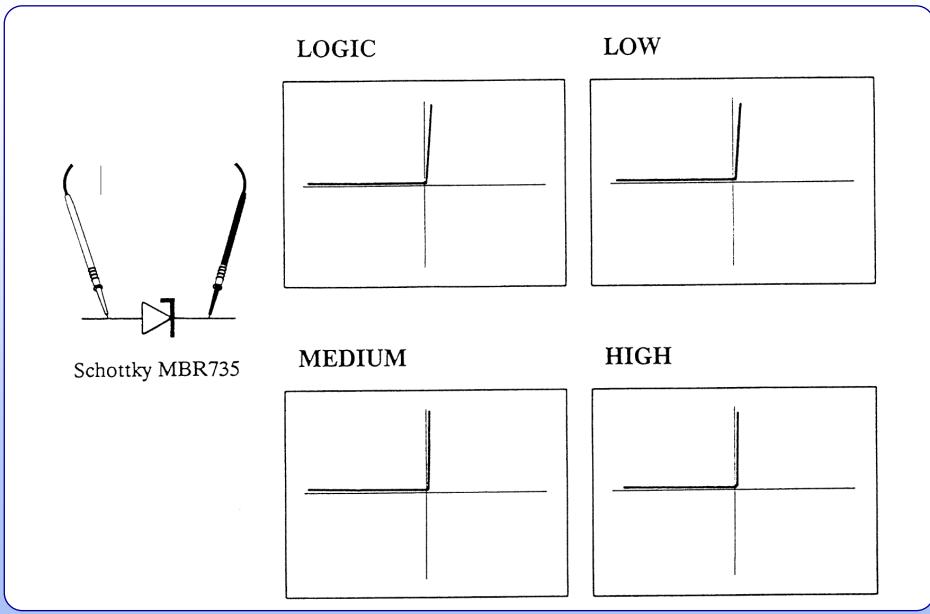




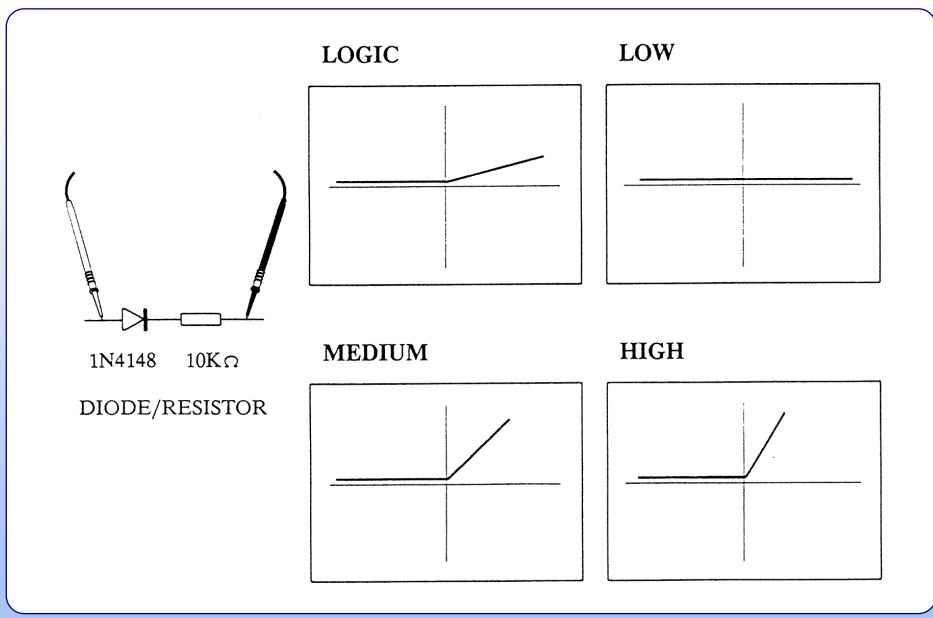




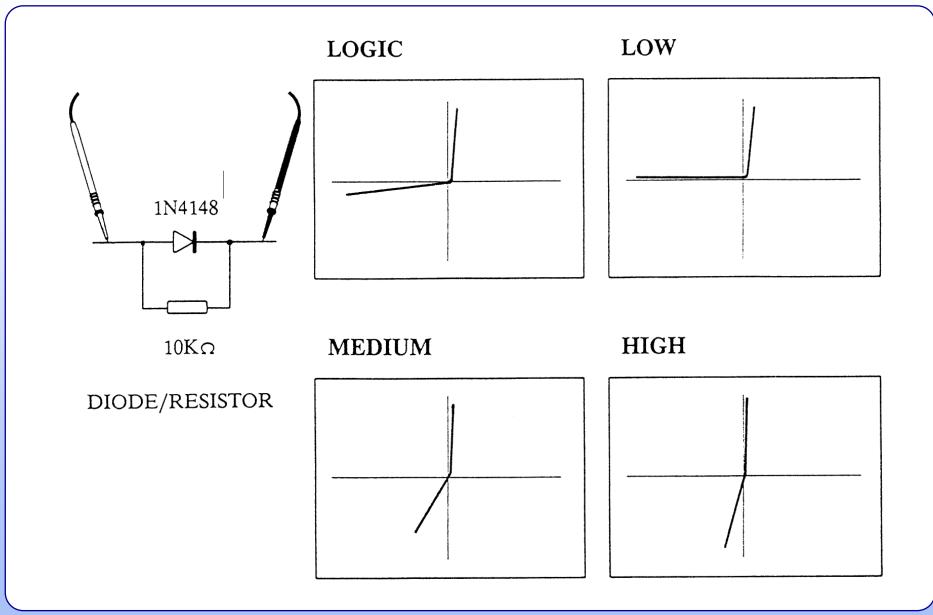




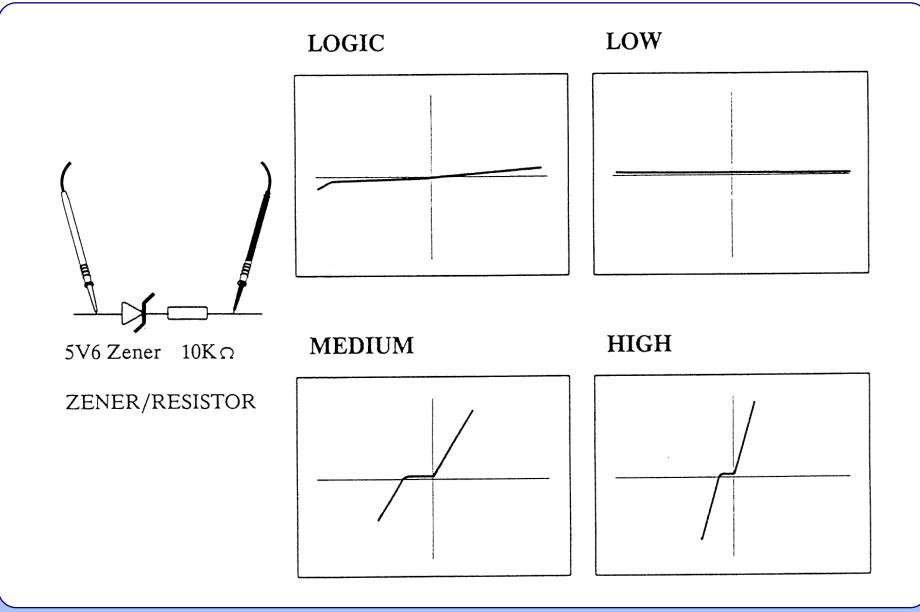




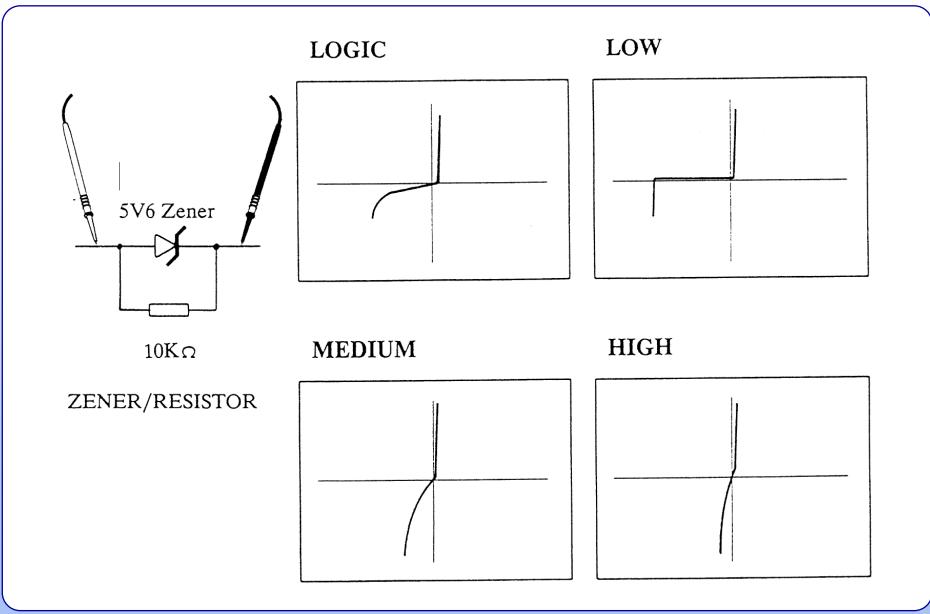




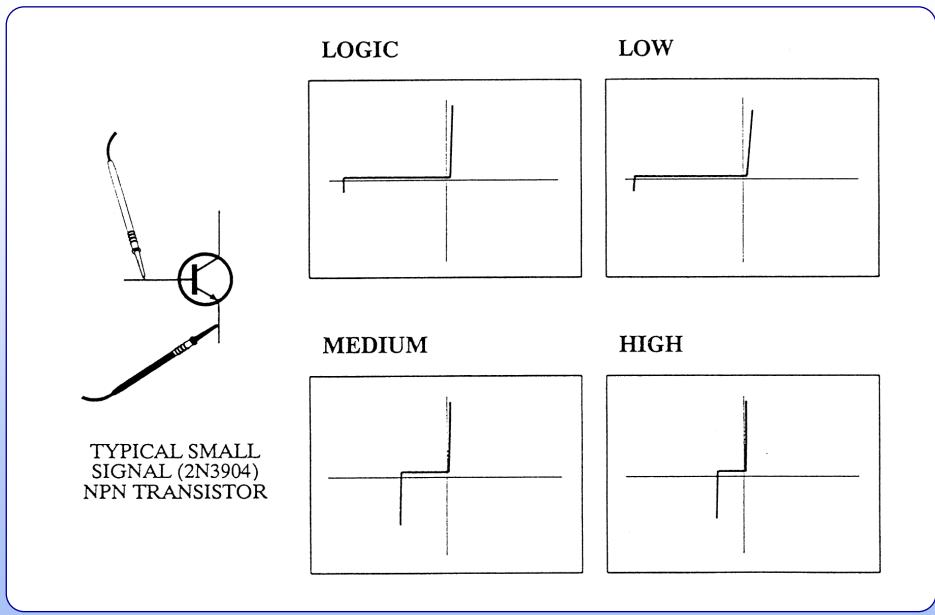




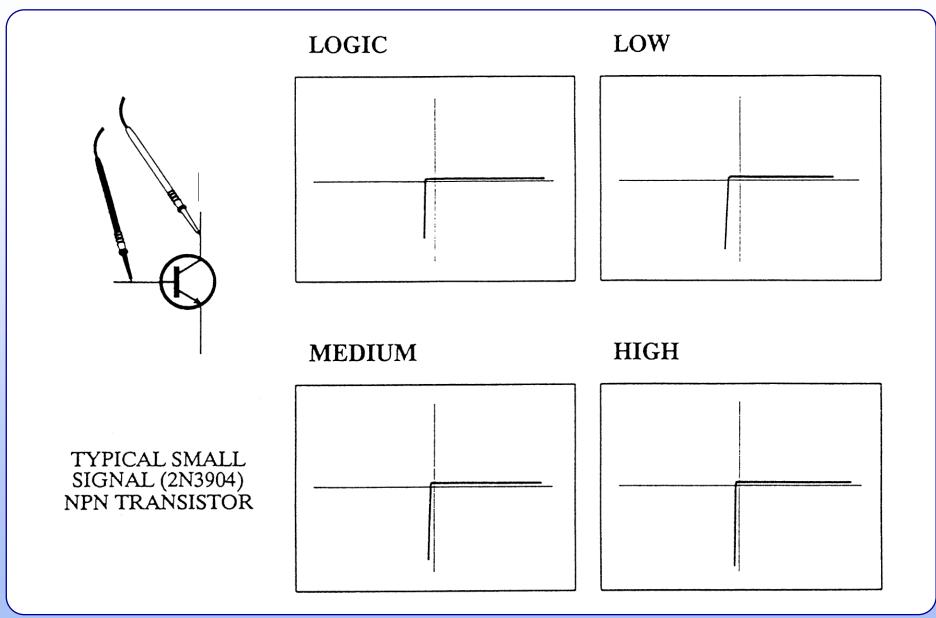




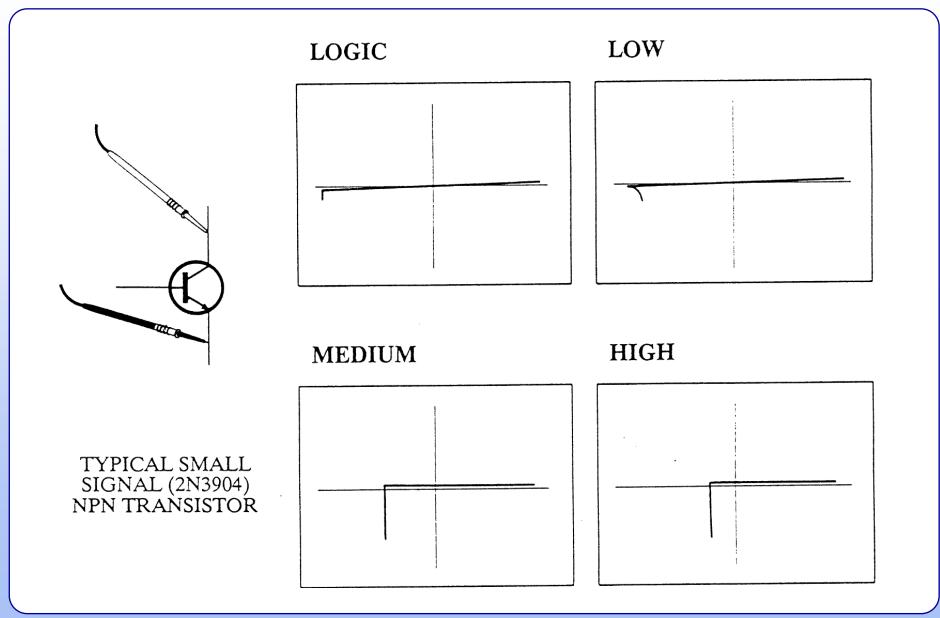




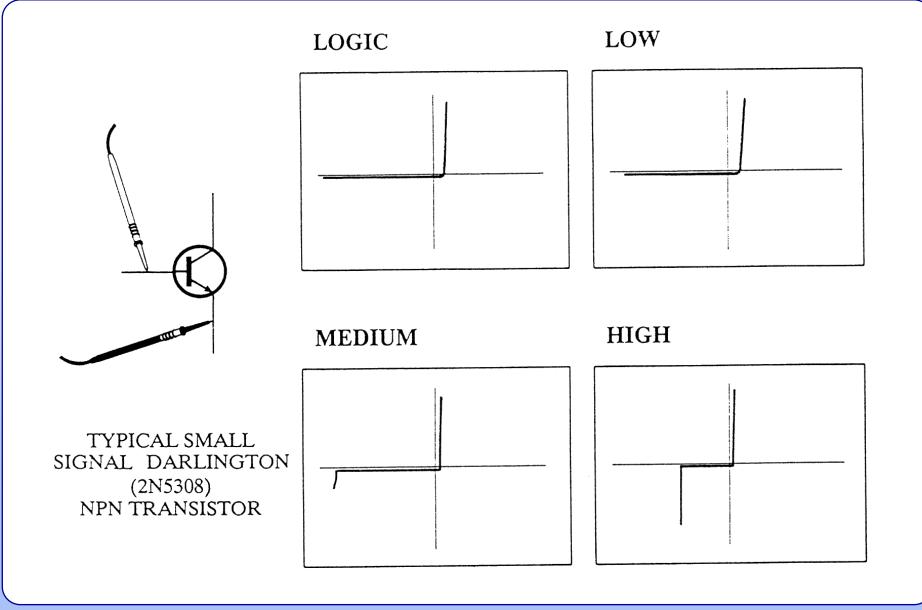




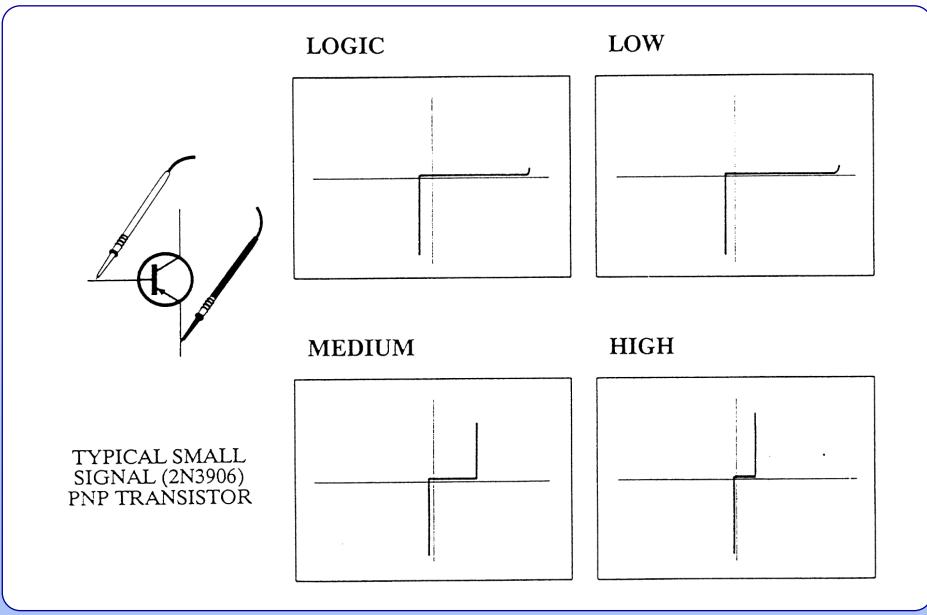




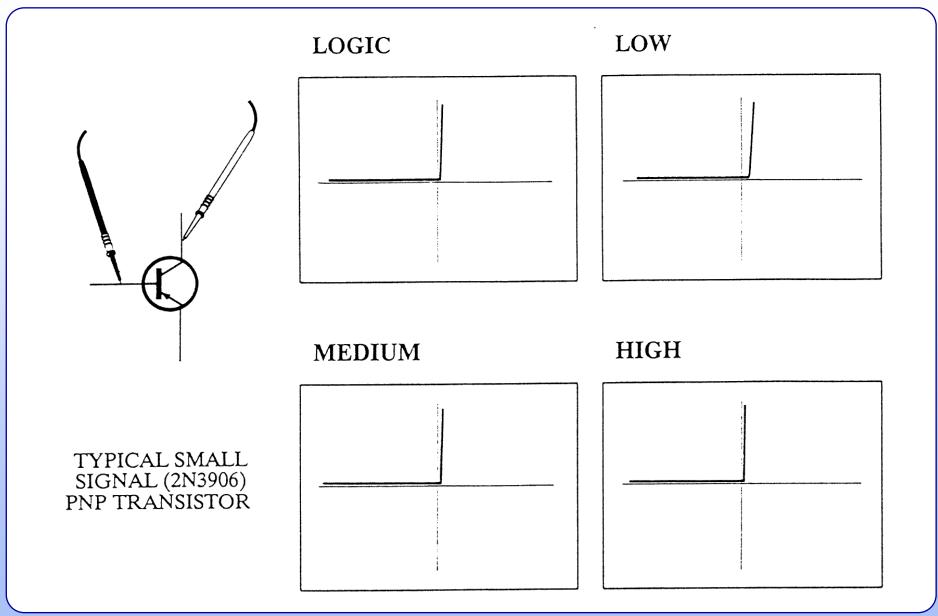




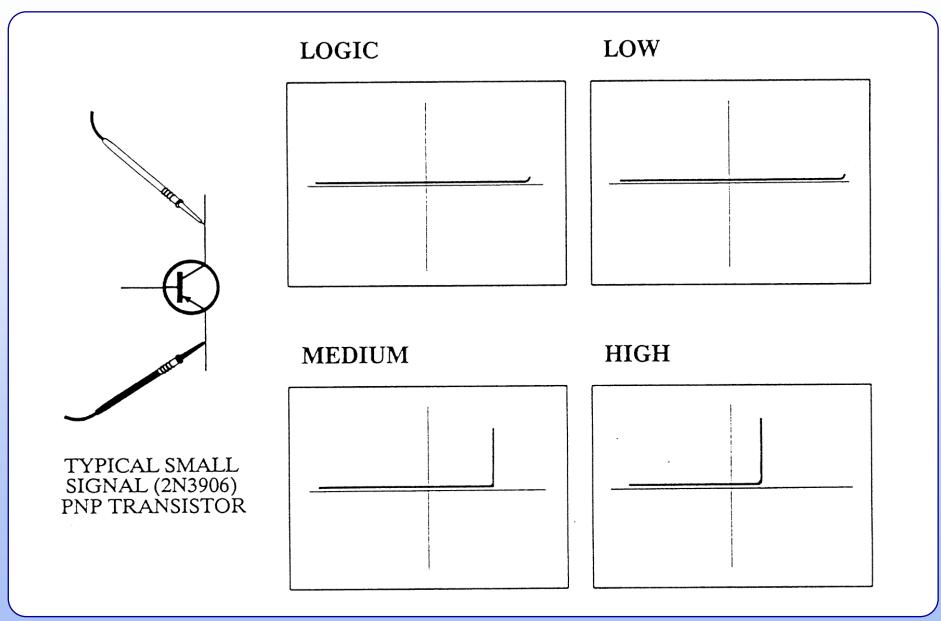




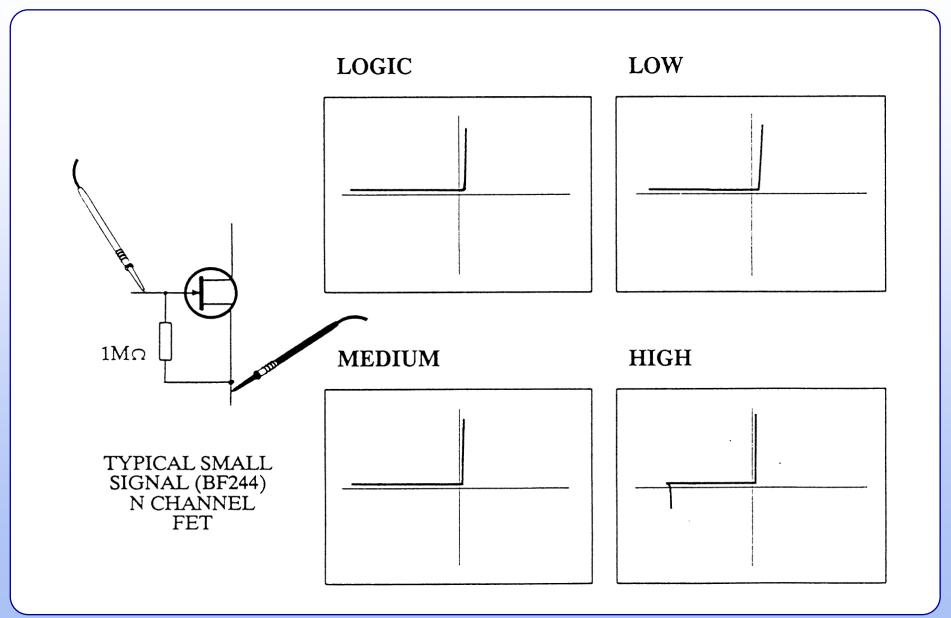




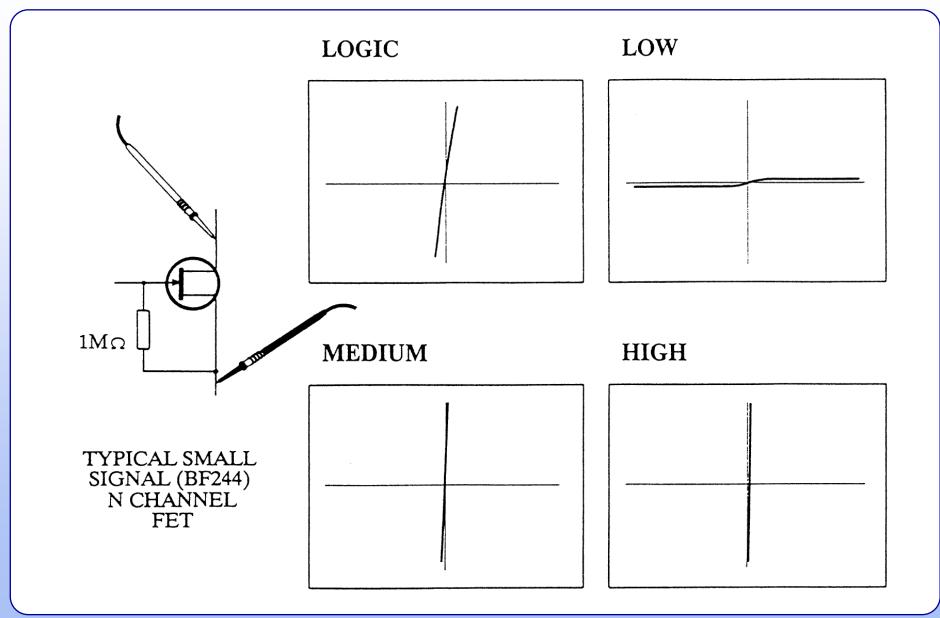




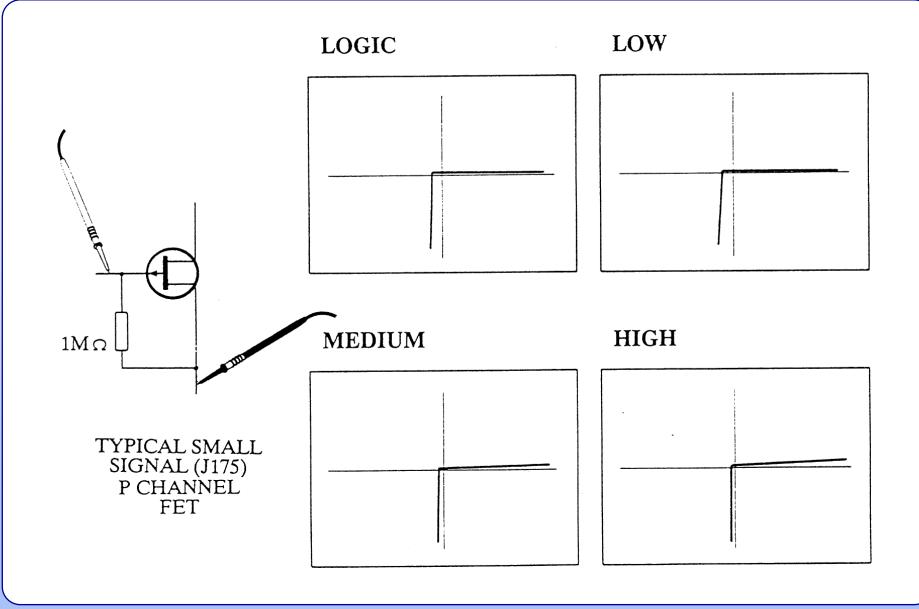




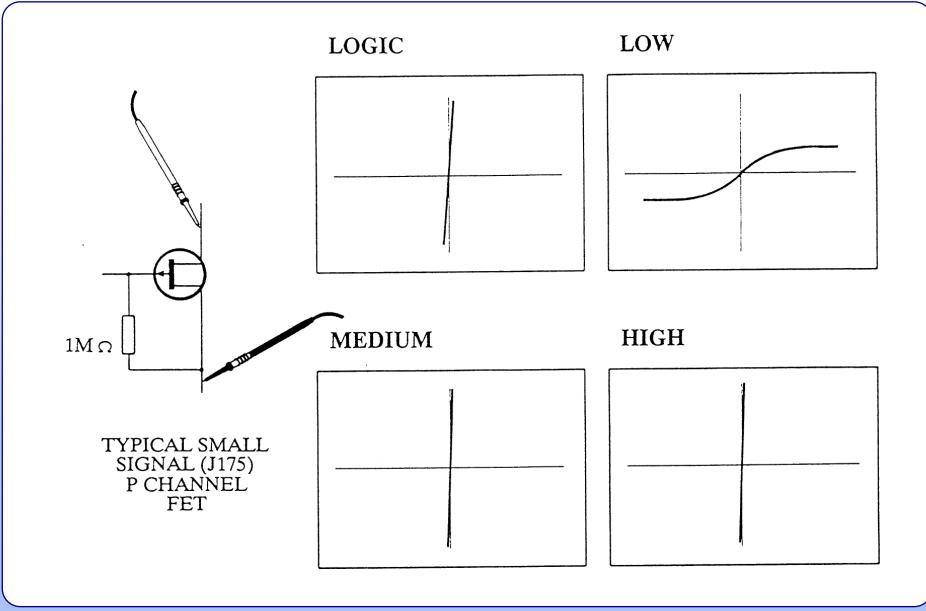




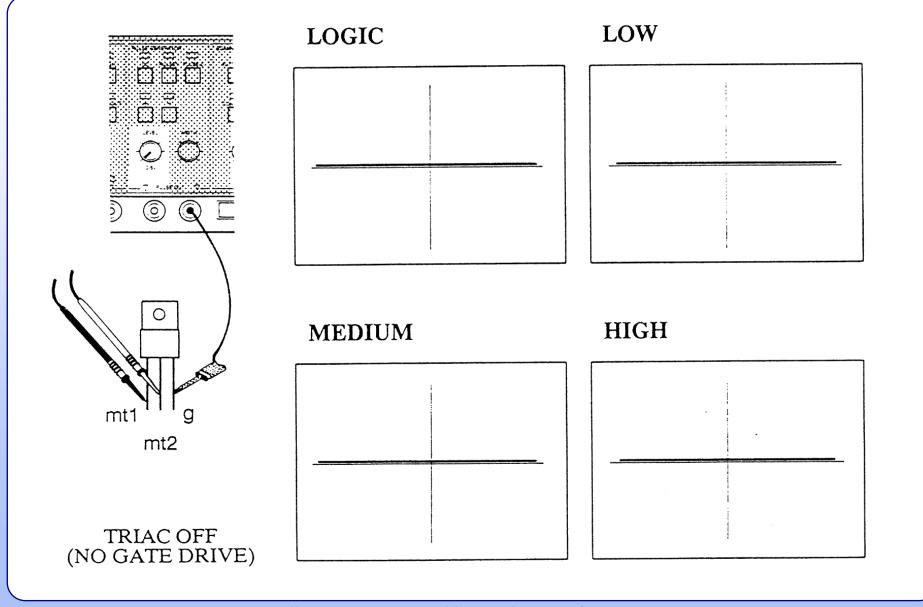




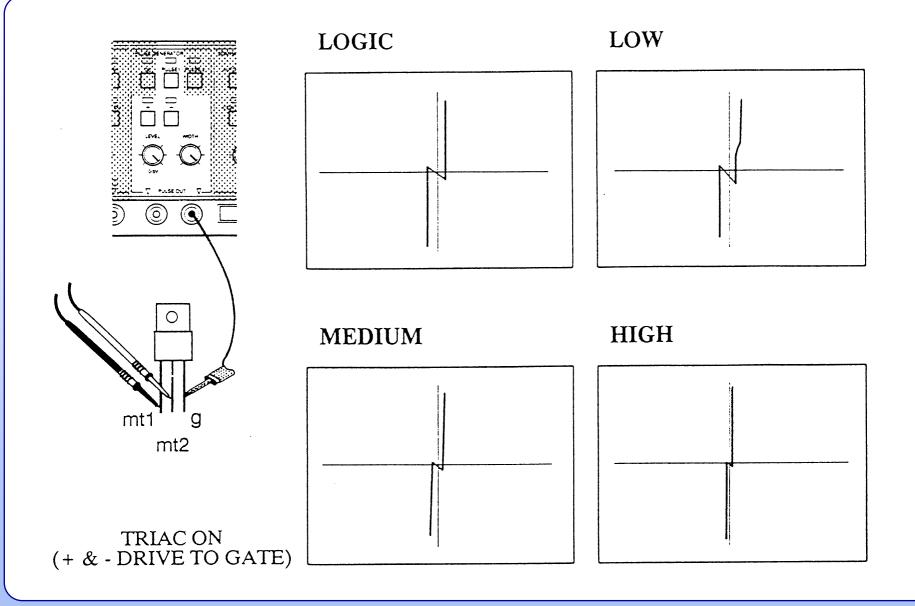




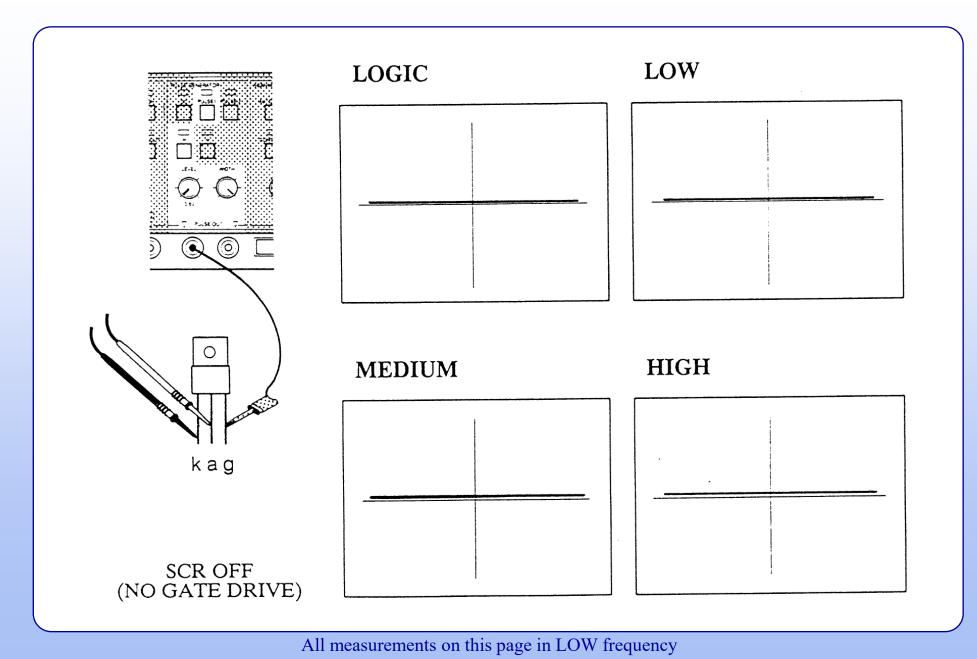




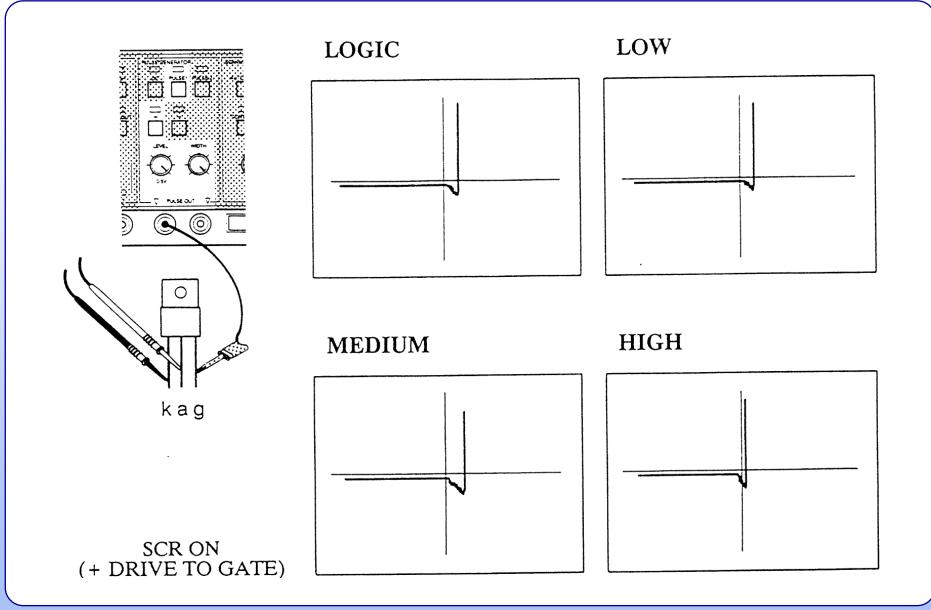




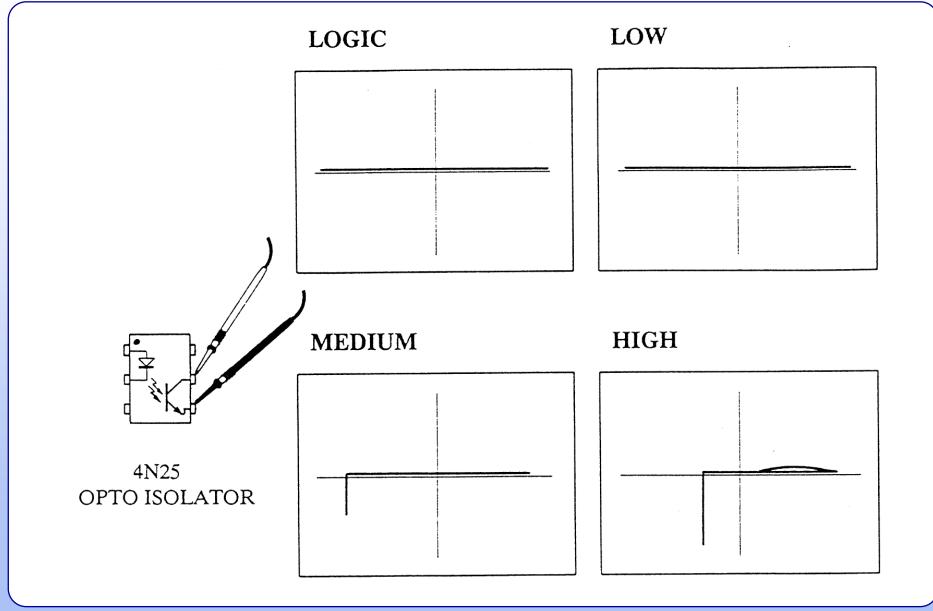




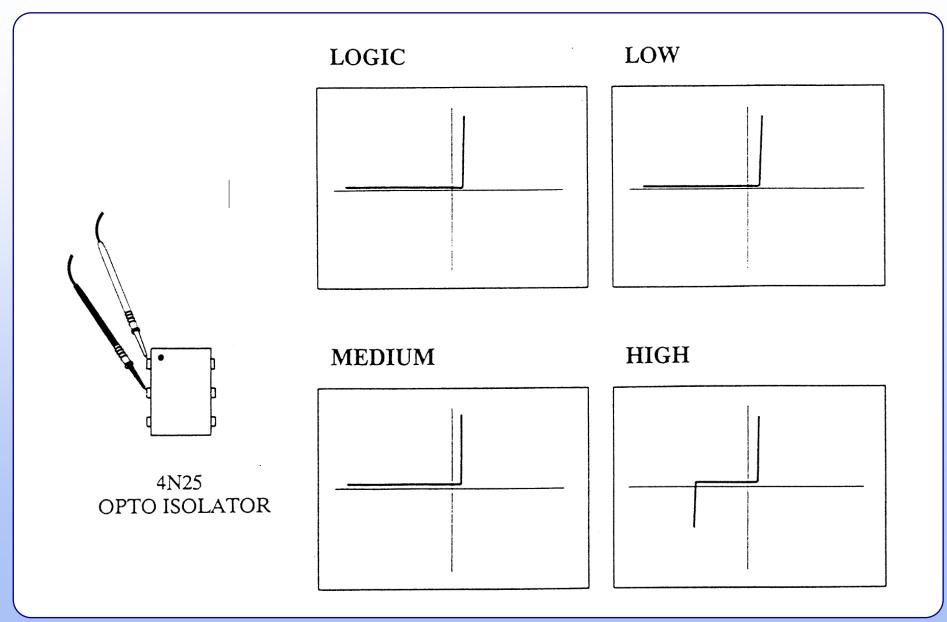




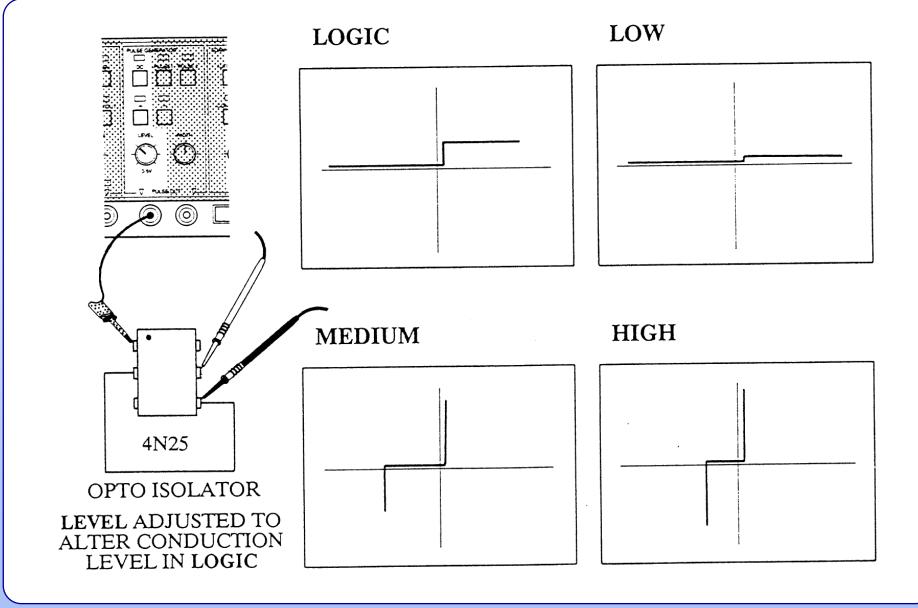




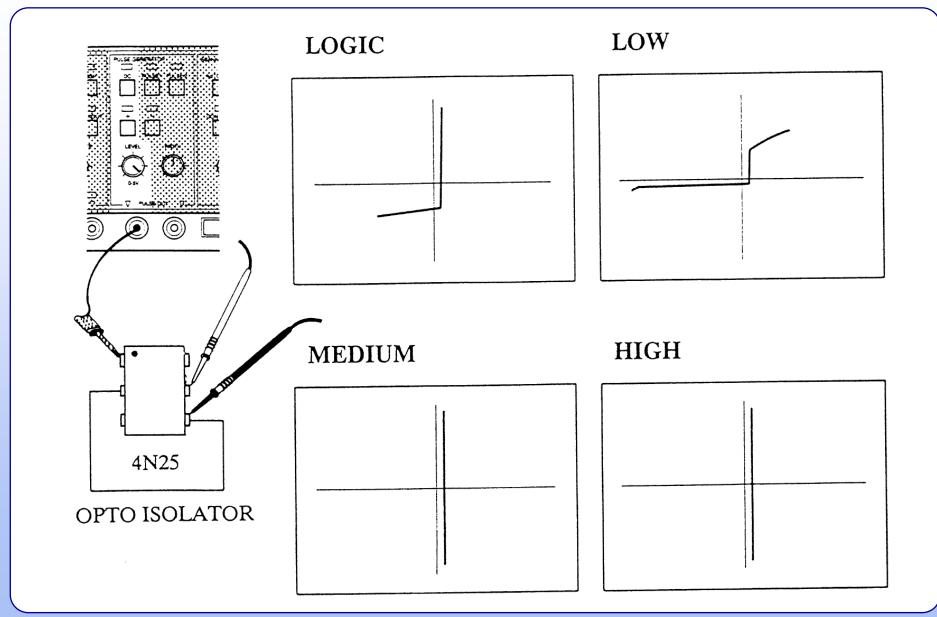




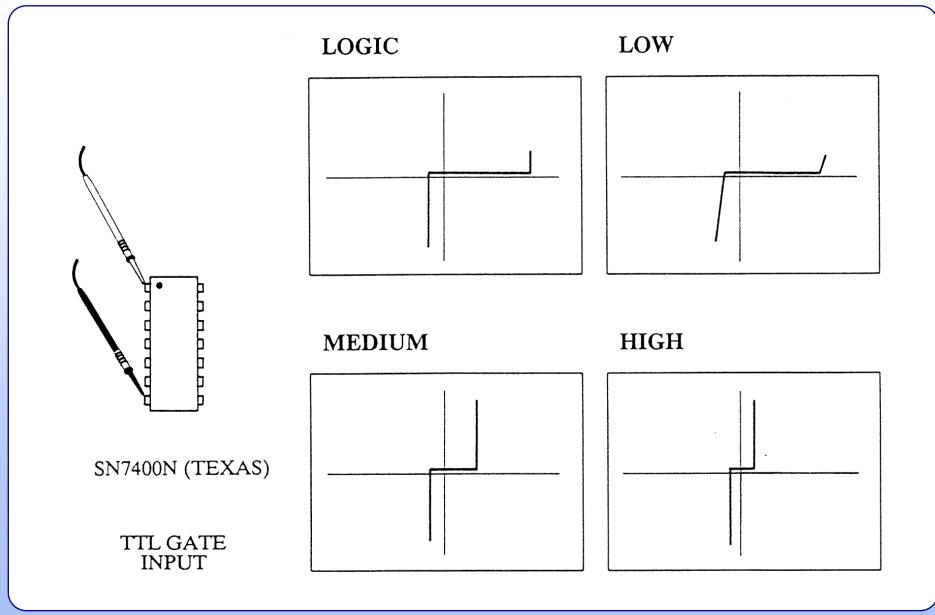




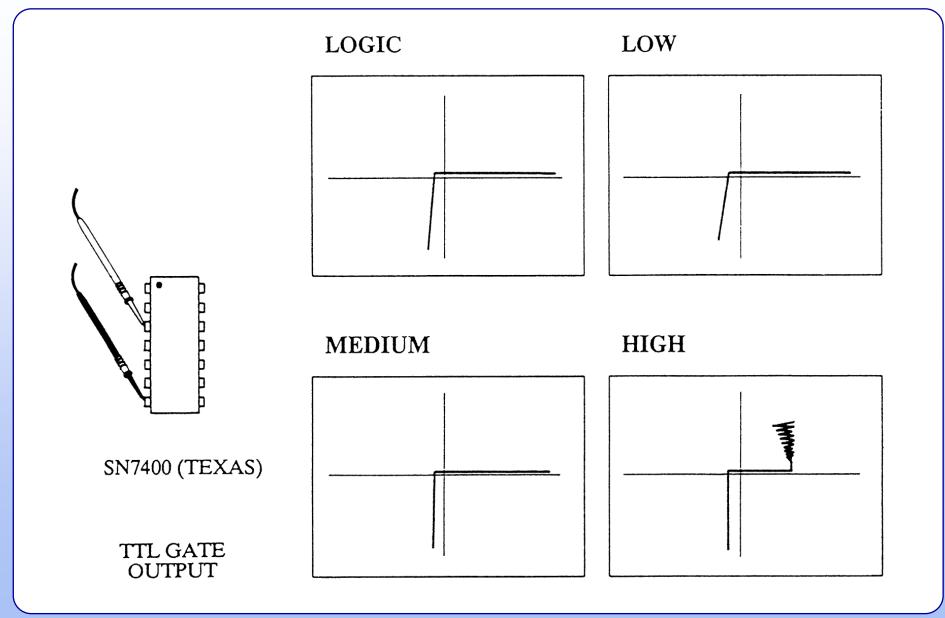




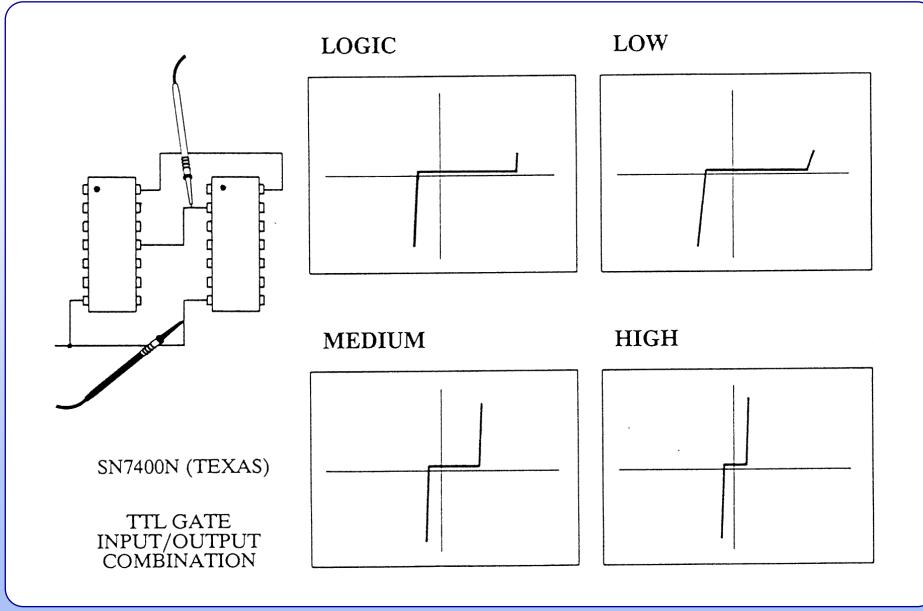




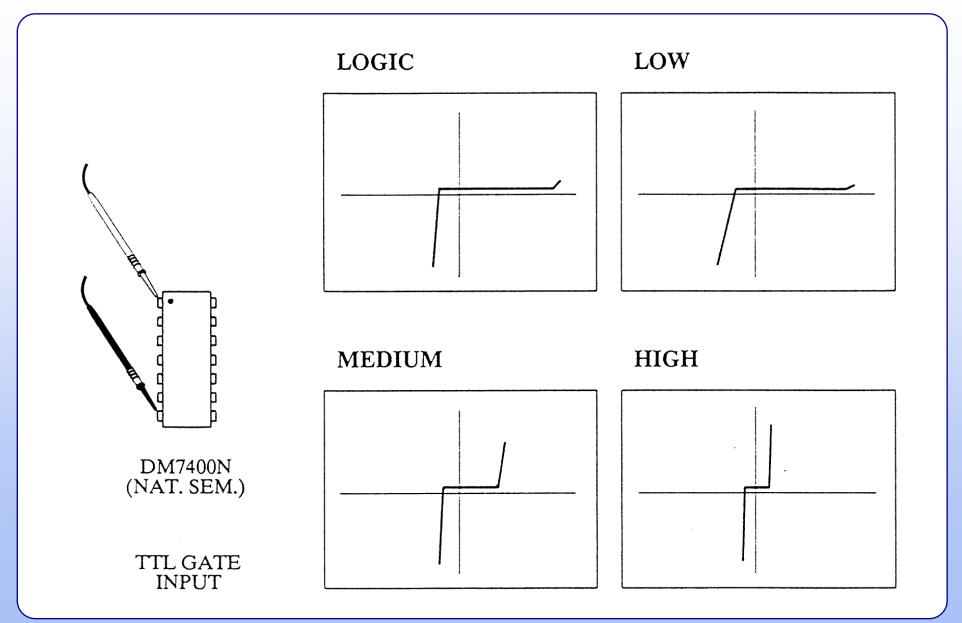




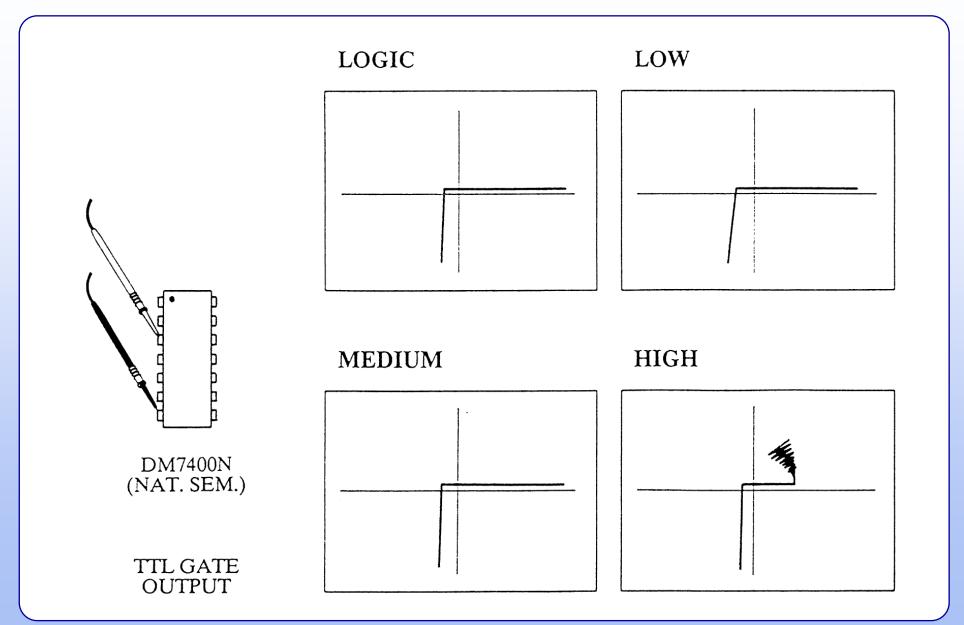




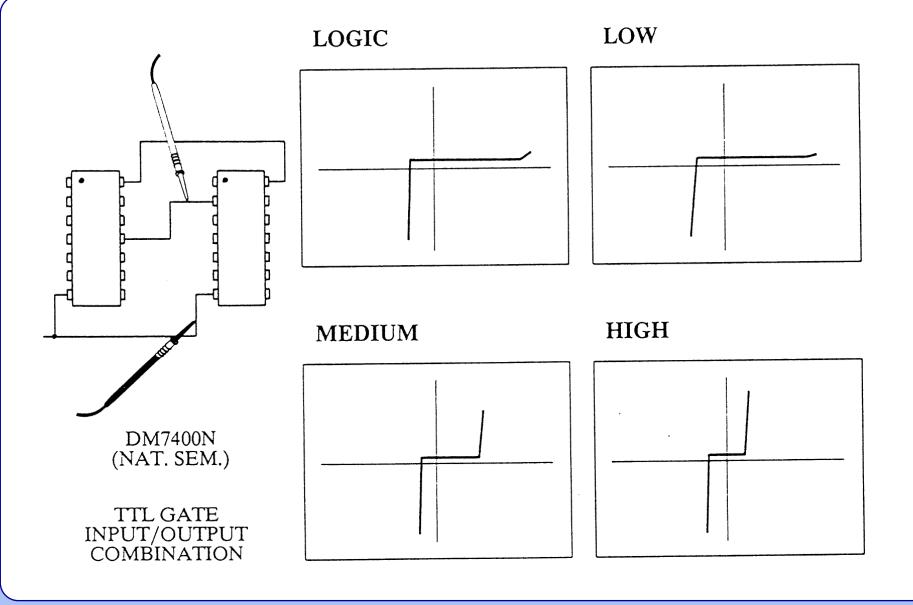




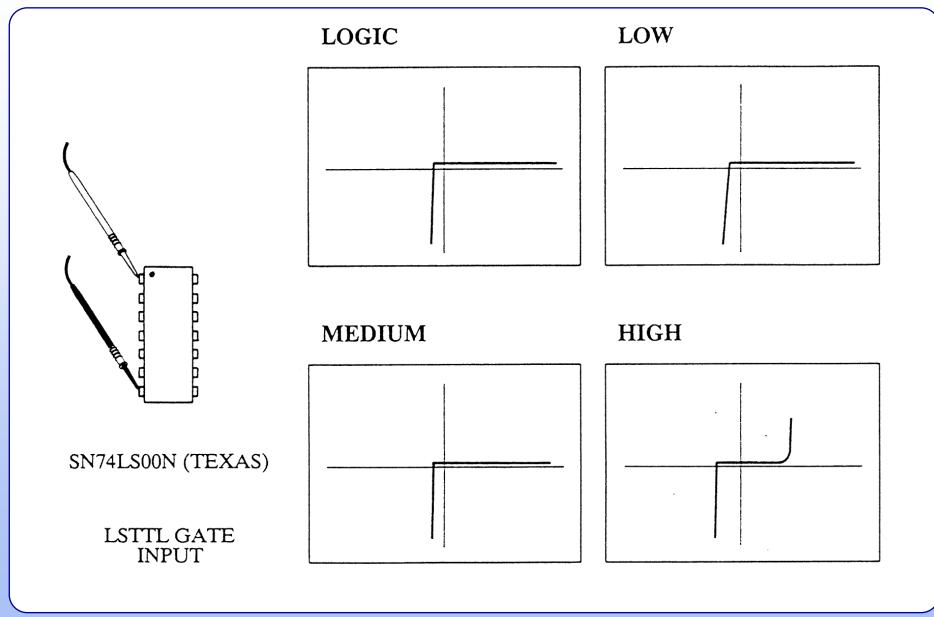




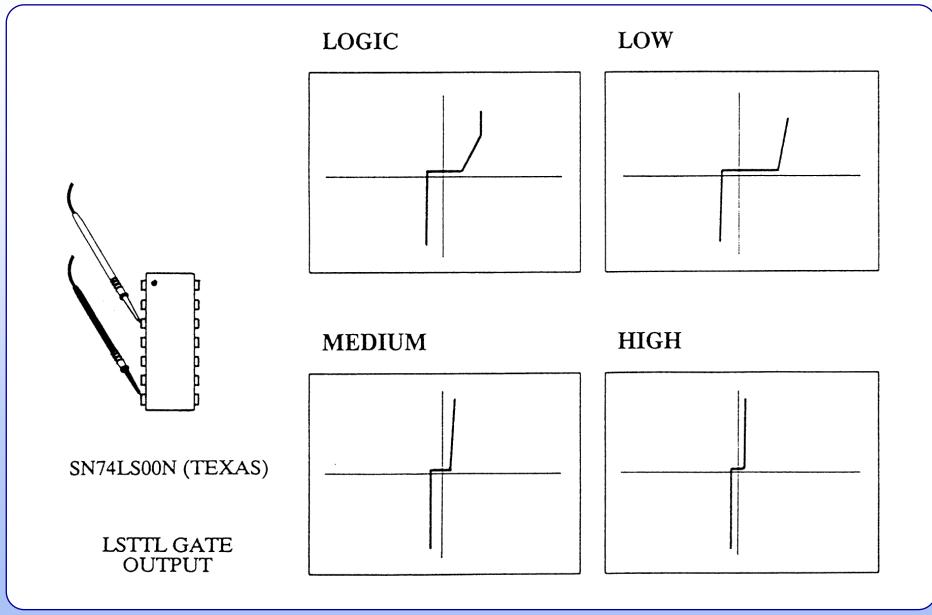




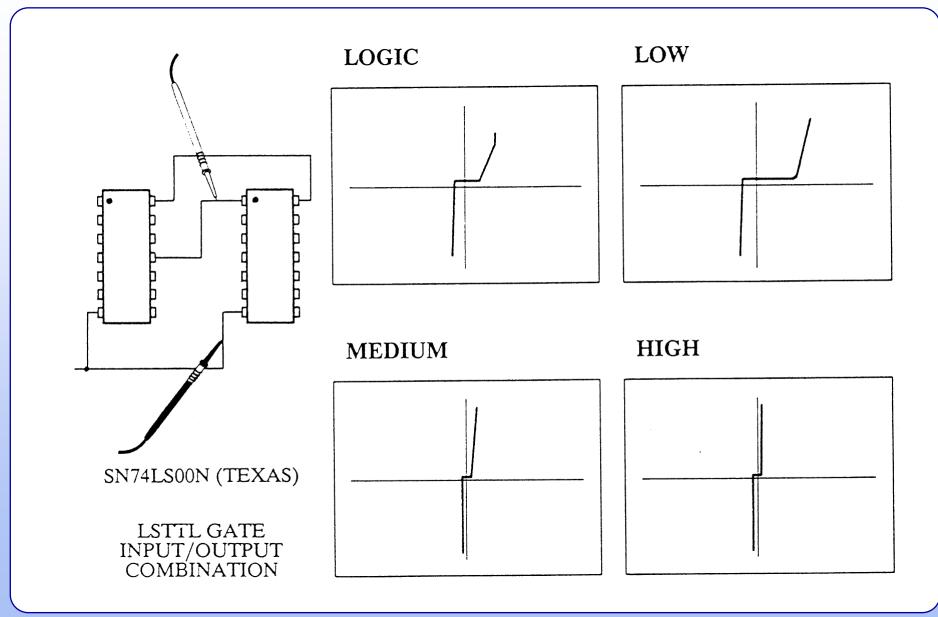




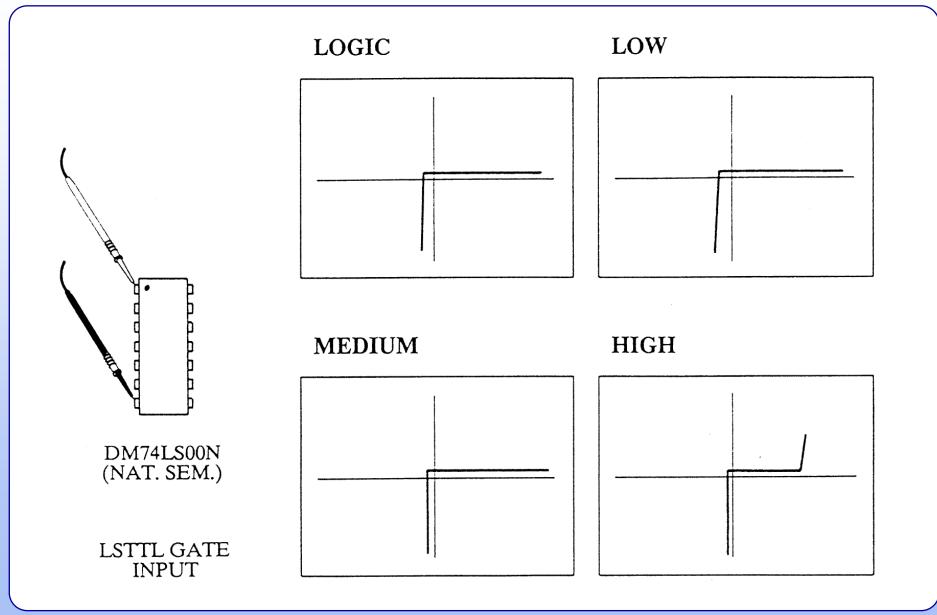




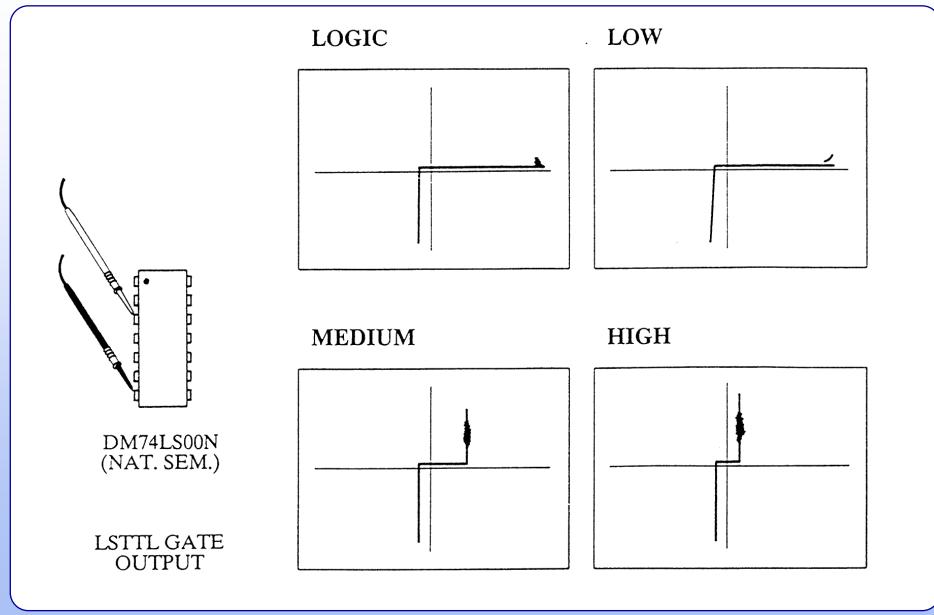




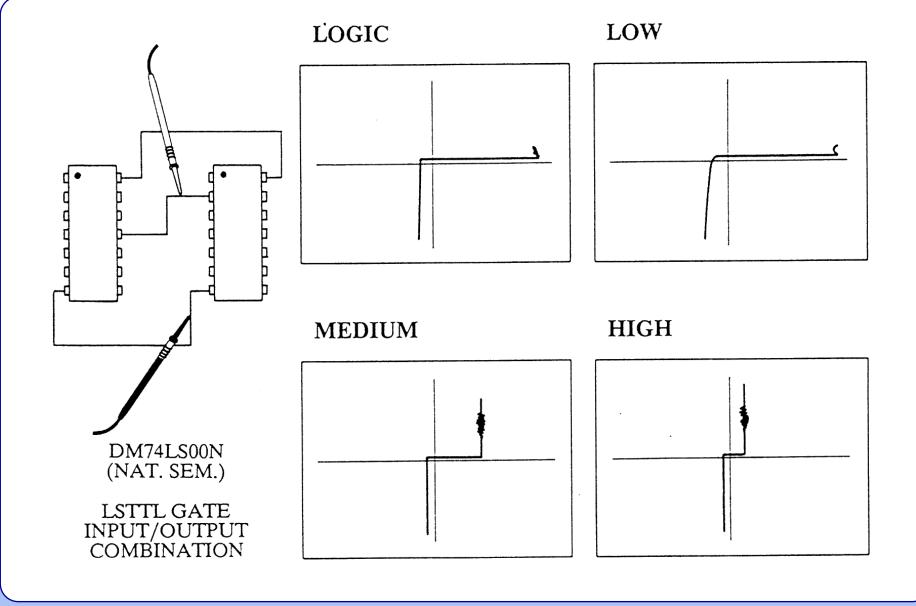




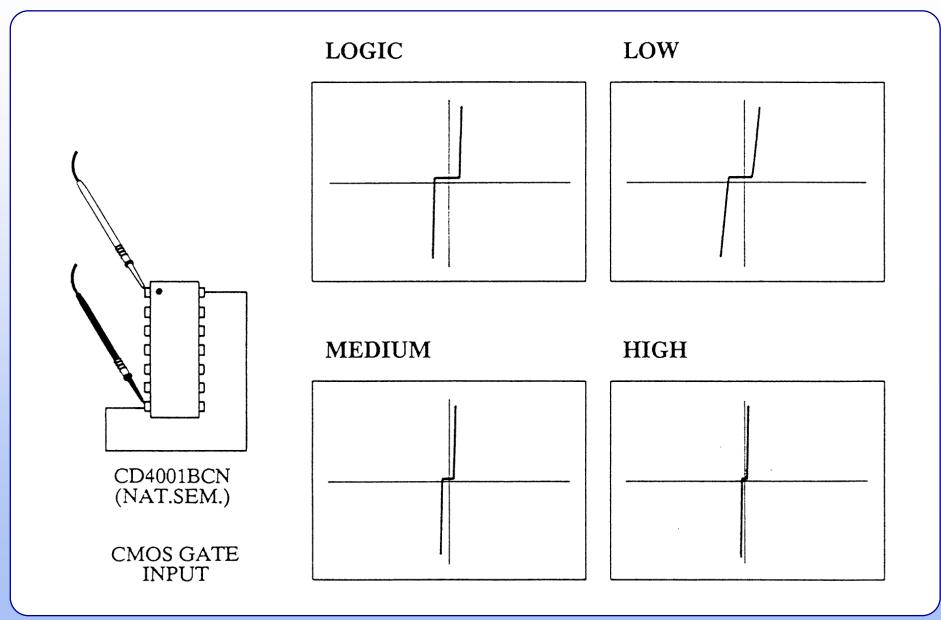




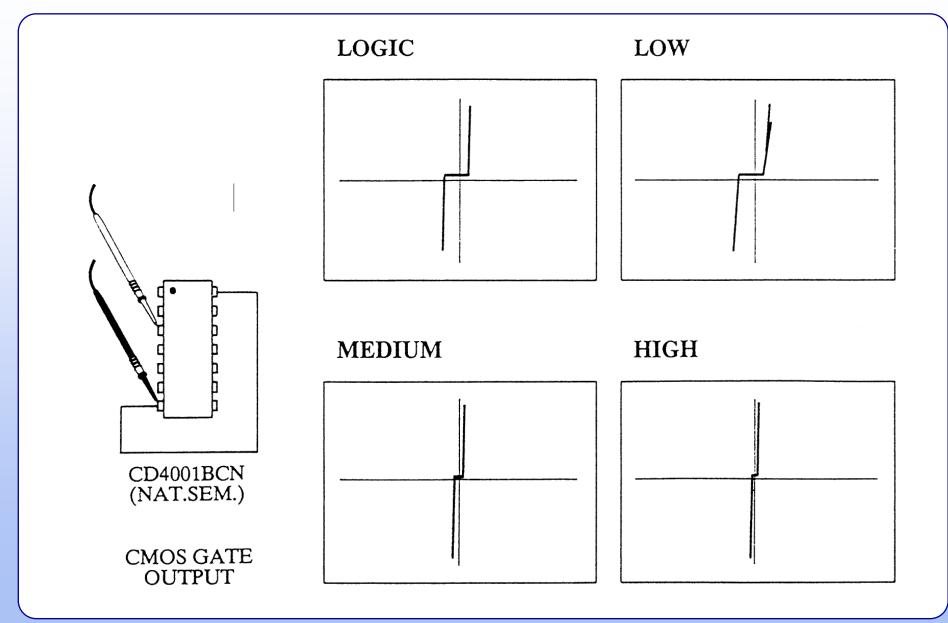




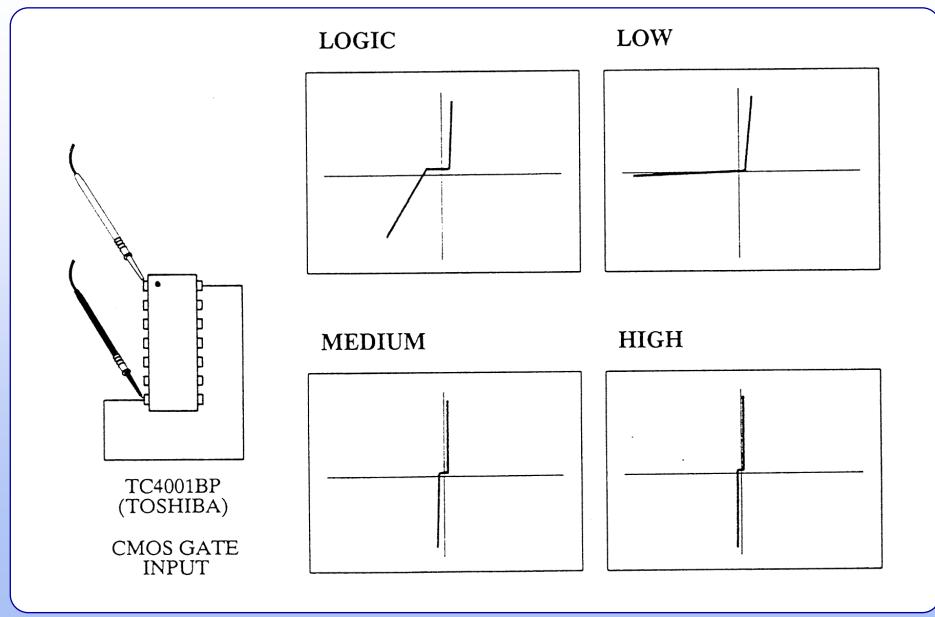




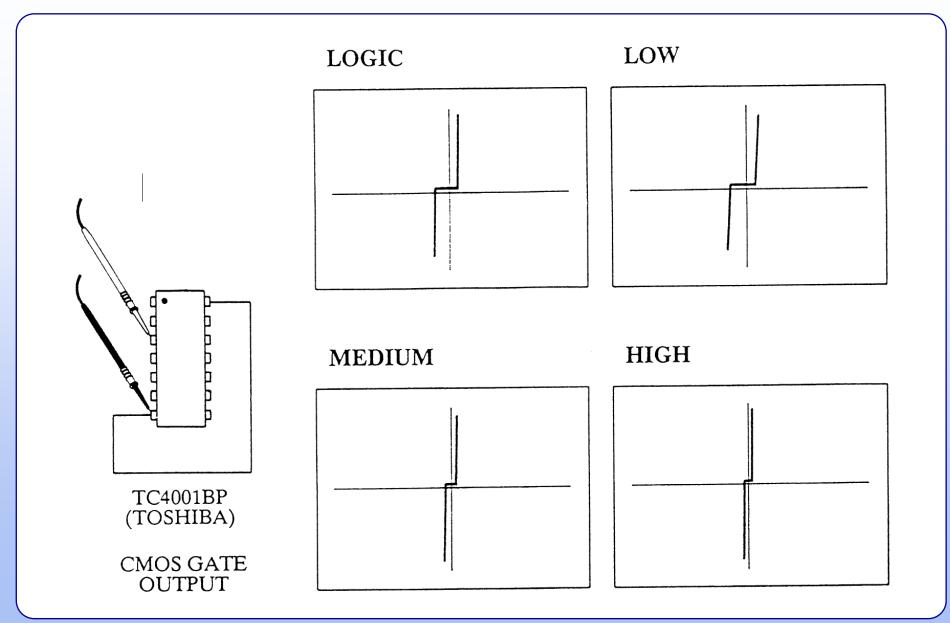




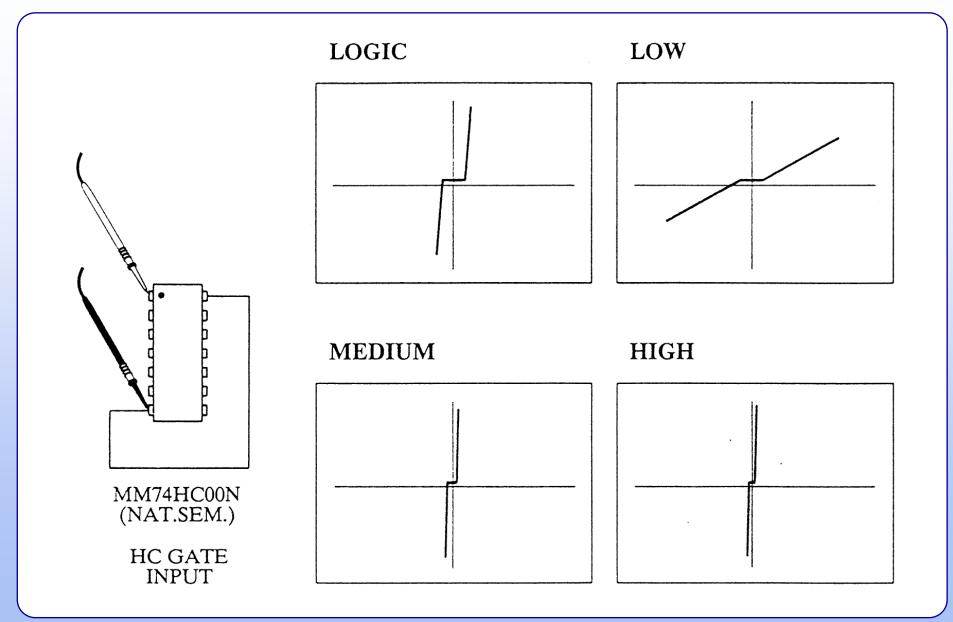




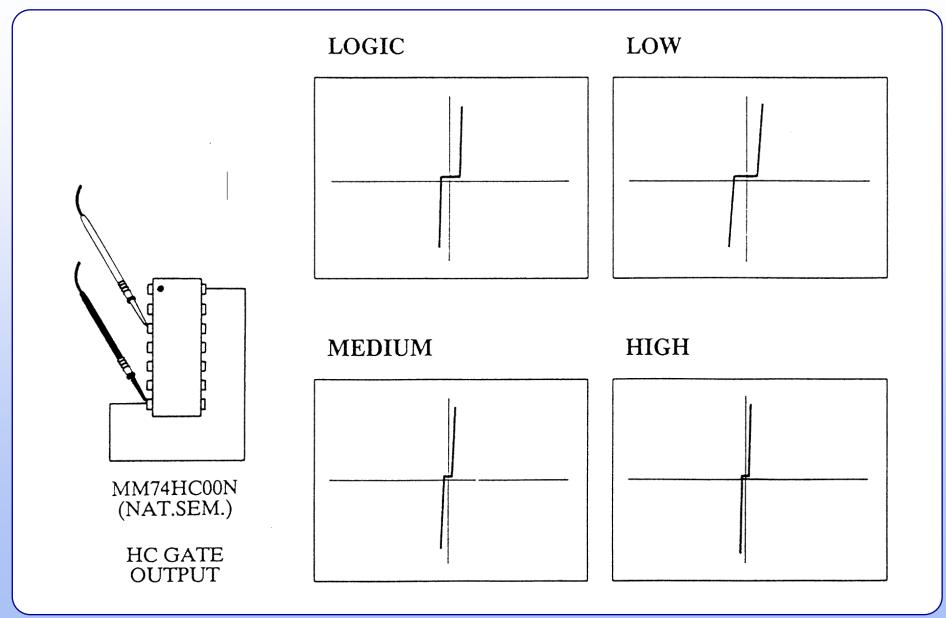




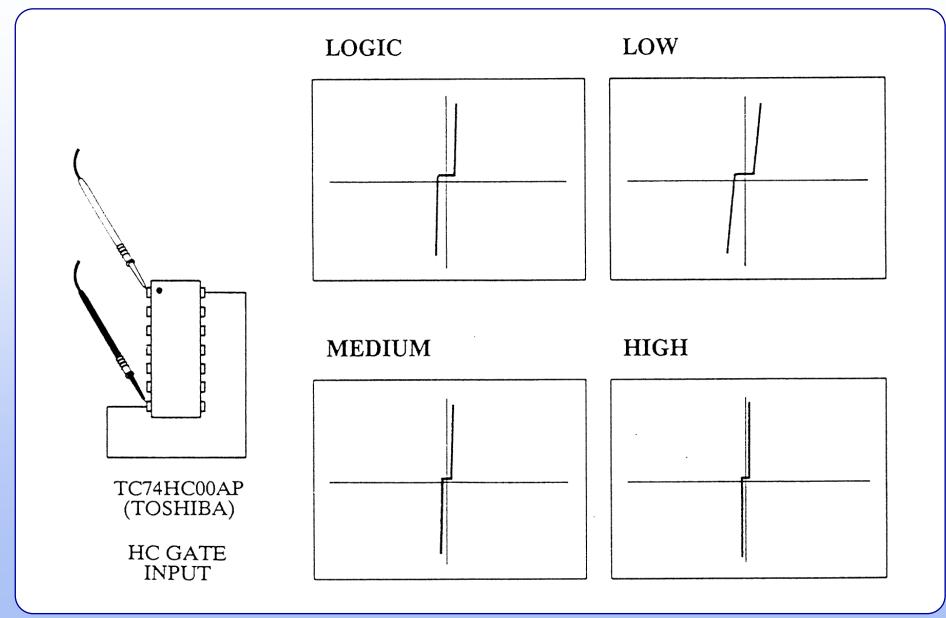




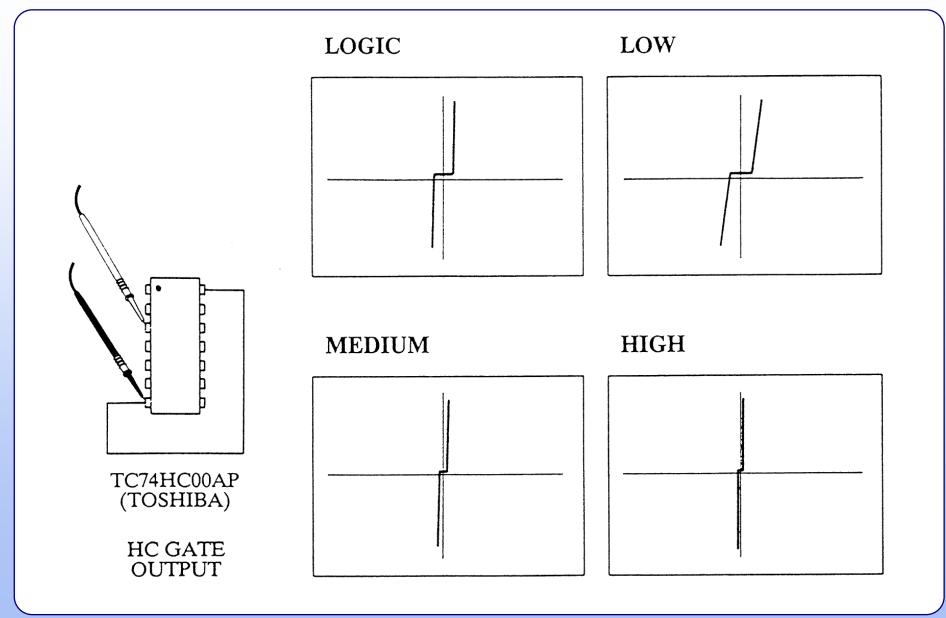




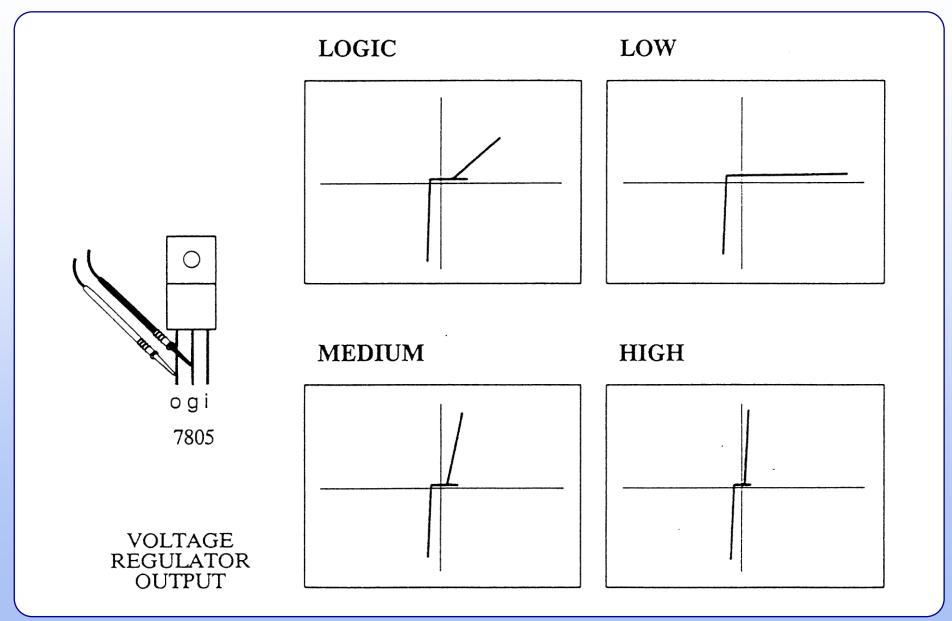




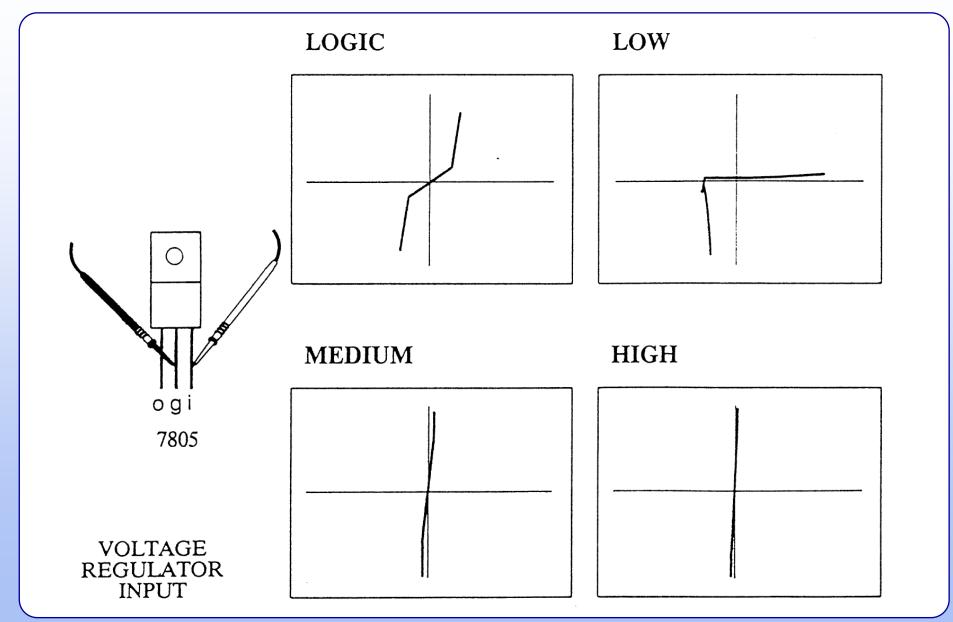




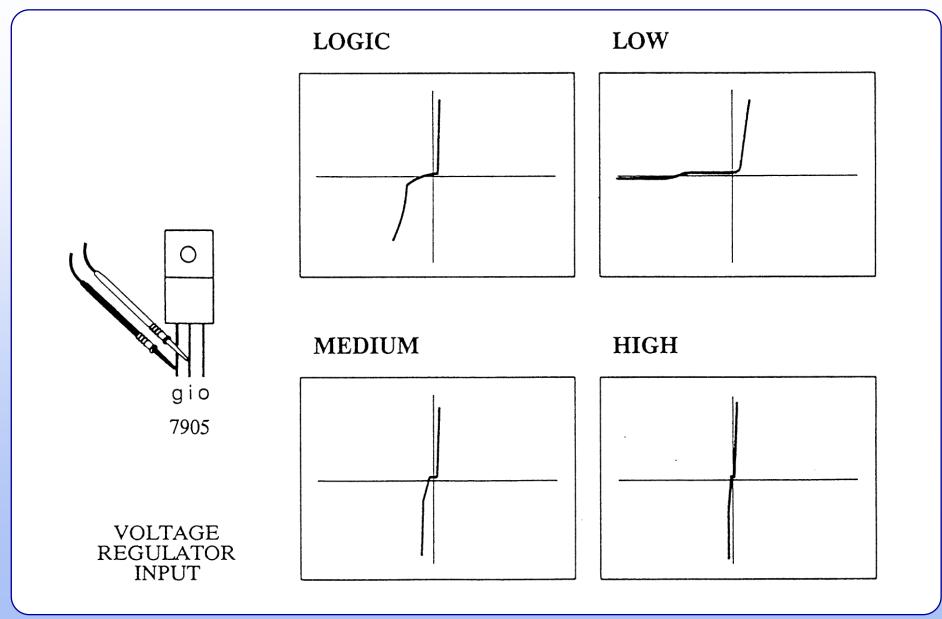




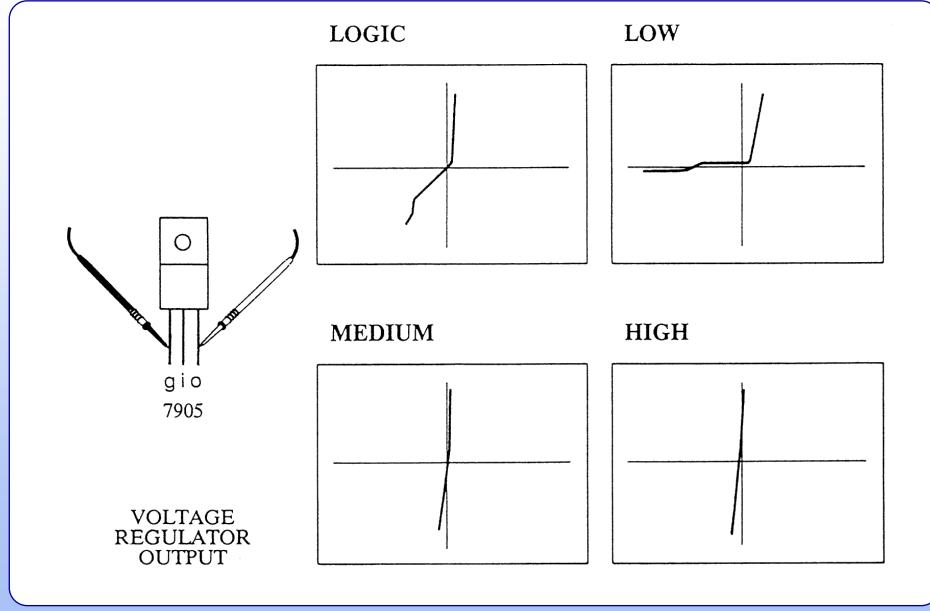




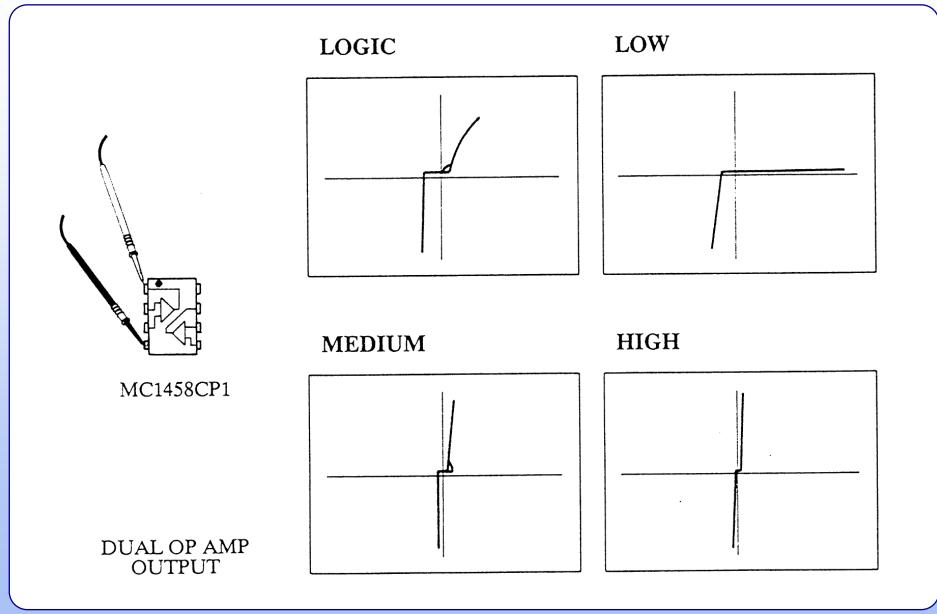




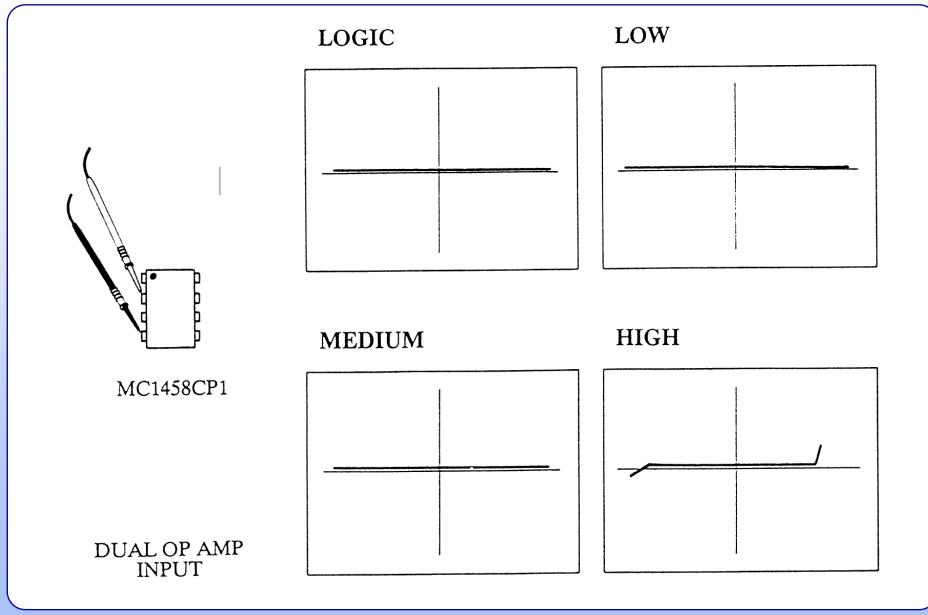




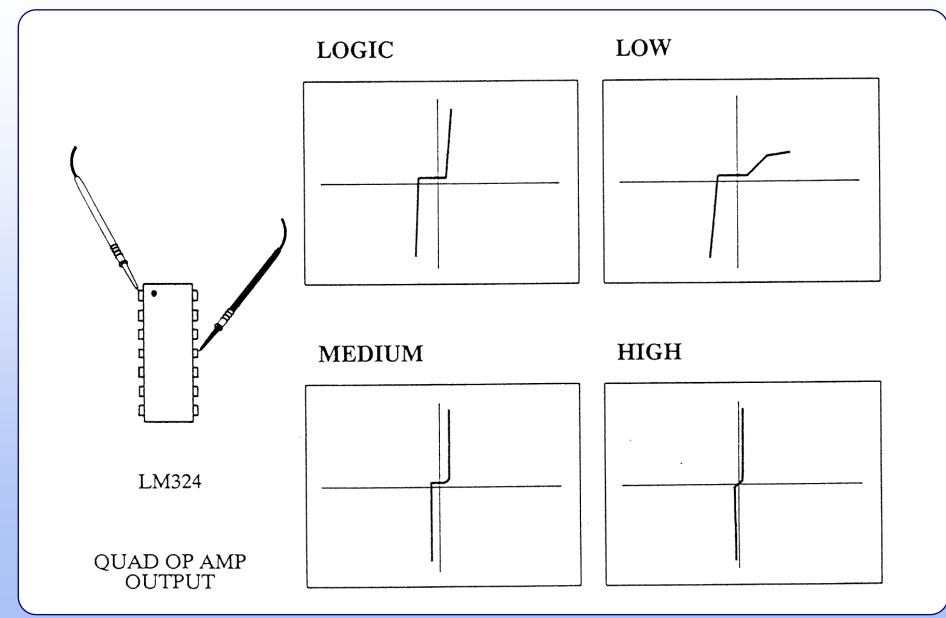




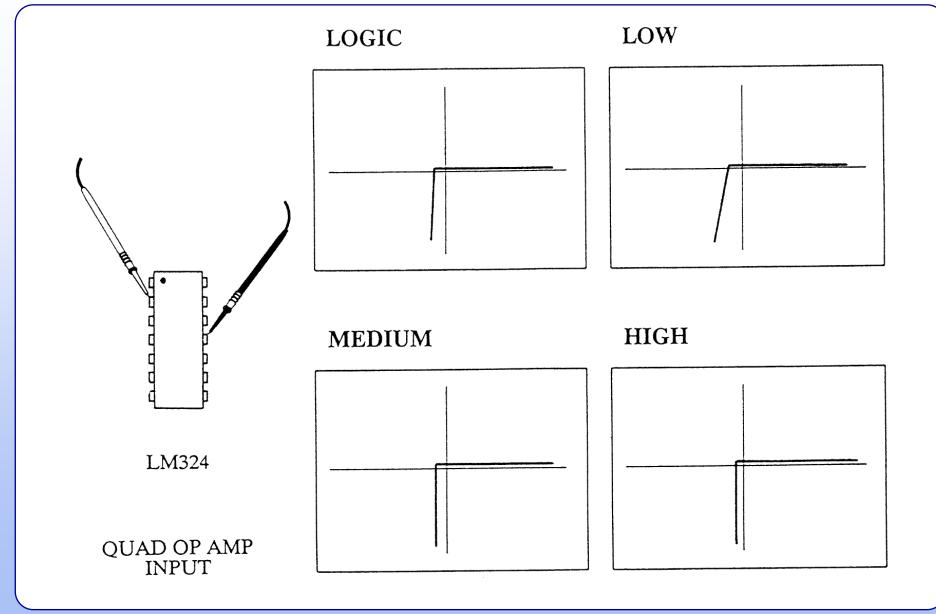




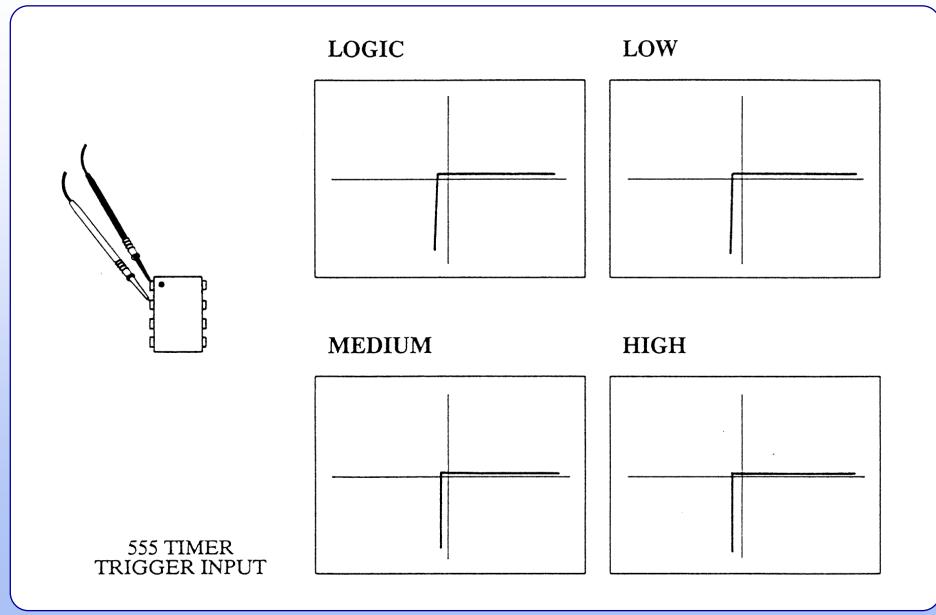




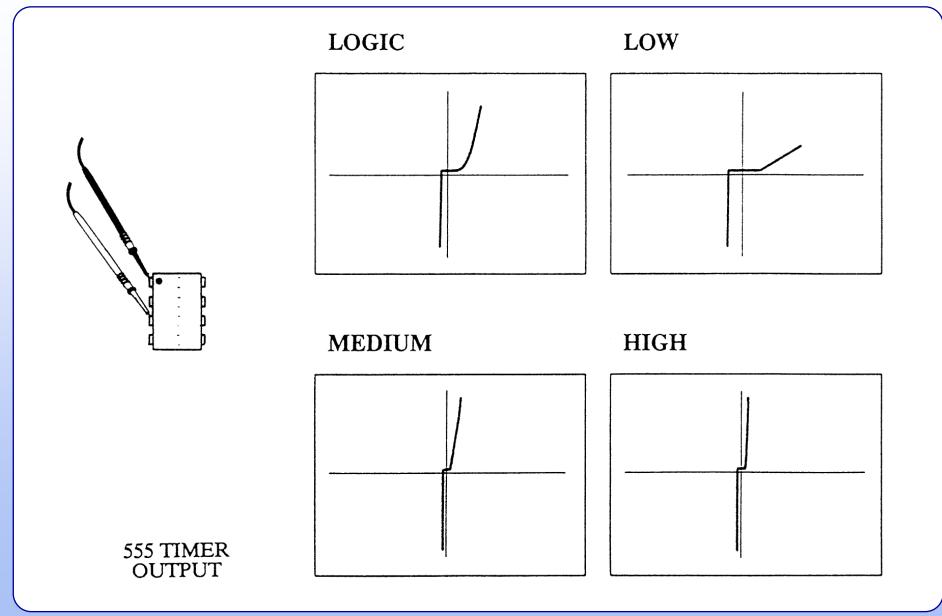




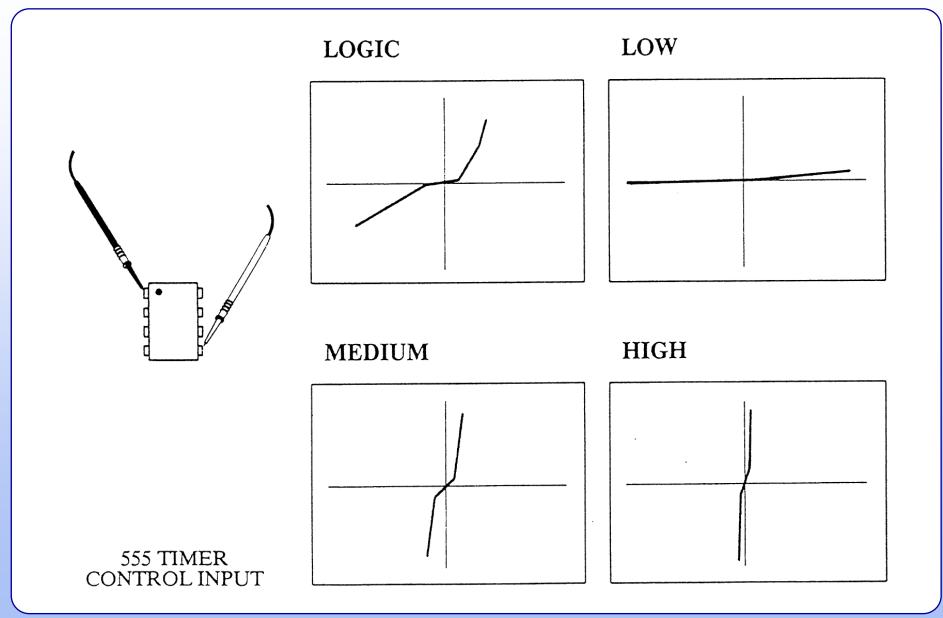




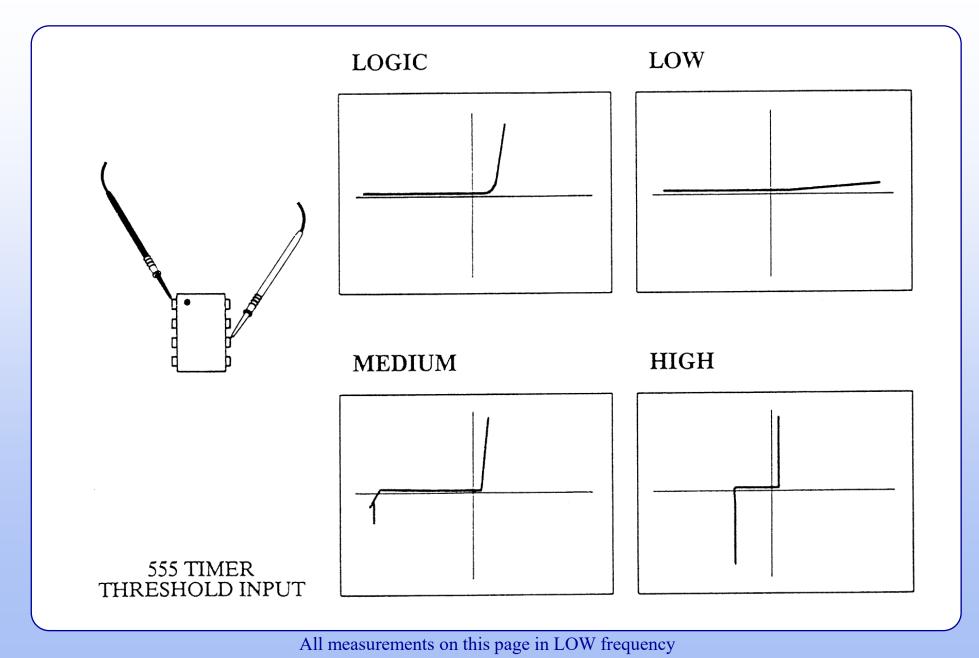












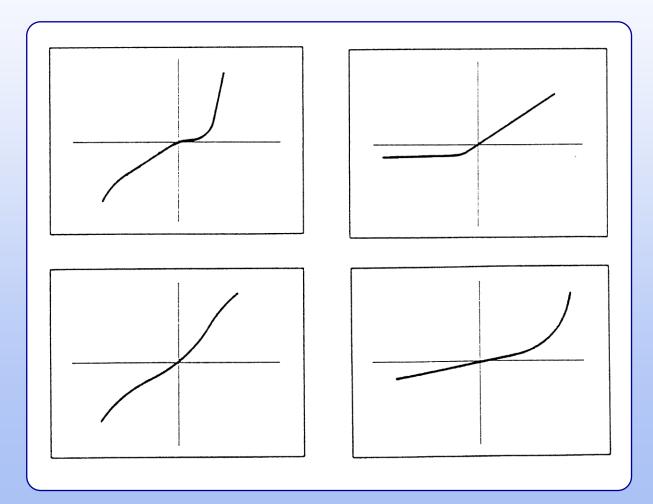
ctor junctions and these should produce either

The signatures produced by IC's usually arise from semiconductor junctions and these should produce either horizontal or vertical lines (ie a diode is off or on respectively). There may be a small slope associated with the lines but the transition from horizontal to vertical should be reasonably sharp.

The signs that you are looking for are:

- Lines that are neither vertical or horizontal
- Soft or rounded transitions (,,knees") between the horizontal and vertical lines

The signatures on this page all indicate that the IC is potentially defective.



# **Polar GRS200 Fault Locator**



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# **Polar GRS550 Fault Locator**





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