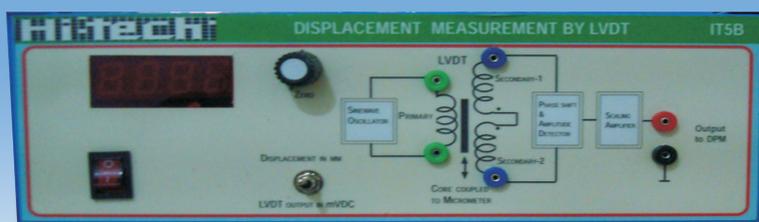


# LVDT DISPLACEMENT MEASUREMENT

A Friend in Need

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The Linear Variable Differential Transformer(LVDT) is used for study and measurement of linear displacement.This trainer kit comprises of a LVDT shaft coupled to a micrometer, alongwith a digital display of displacement in mm. Various test point are provided to observe the series opposition secondary voltages,residual voltage, primary excitation, phase shift.

## Specifications:

|                          |                             |                                   |
|--------------------------|-----------------------------|-----------------------------------|
| <b>LVDT</b>              | Primary                     | : - 120Ohms                       |
|                          | Secondary 1 & 2             | : - 120 Ohms                      |
|                          | each Excitation Freq        | : - 1.5KHz                        |
|                          | sinewave Excitation Voltage | : - 3VAC                          |
|                          | rms max. Linearity          | : - 1%                            |
|                          | Accuracy                    | : - 1%                            |
|                          | Stroke                      | : - 0 to 20mm                     |
| <b>Digital Indicator</b> | Display                     | : - 3 ½ digit red led 13mm height |
|                          | Accuracy                    | : - 0.5% +/- 2 digits             |
|                          | Resolution                  | : - 1mm                           |
|                          | Range                       | : - 0 to 20mm or -10 to +10mm     |
|                          | Excitation Freq             | : - 1.2KHz Sine wave              |
|                          | Excitation Volt             | : - 3.2 VAC rms                   |
| <b>Micrometer</b>        | Range                       | : - 0 to 20mm                     |
|                          | Resolution                  | : - 1mm                           |

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