



NV6037 Desauty's and Schearing Bridge Trainer is useful for measuring very small value of Capacitance. By setting the null point, we can evaluate the unknown capacitance. To set this point, null detector with amplifier circuit is implemented on trainer board. NV6037 is based on the principle of Wheat Stone Bridge. A Function Generator is provided for Frequency and Amplitude variation. Null detector section includes differential amplifier, audio amplifier and speaker.

- A Complete set up with all necessaries accessories
- Inbuilt Function Generator
- Microcontroller based Frequency Counter
- Null detector with audio amplifier and speaker
- 2 Year Warranty

### Scope of Learning :

- Determination of unknown capacitance using Desauty Bridge method.
- Determination of unknown capacitance using Schearing Bridge method.

### Technical Specifications :

#### Sine Wave Generator :

- Frequency range : Selectable
- 500 Hz to 1 KHz
  - 1 KHz to 10 KHz
  - 10 KHz to 60 KHz

#### Amplitude control output :

- Sine wave : Up to 8 Vpp

- Speaker : 8 Ohm

- Display : LCD

- Fuse : 500 mA, slow blow

- Mains : 230 V AC  $\pm 10\%$ , 50 Hz

- Unknown Capacitors : 0.1  $\mu$ F, 0.22  $\mu$ F, 0.47  $\mu$ F

Manufactured by :