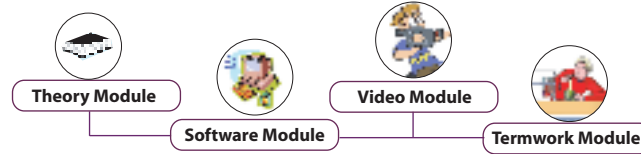


# Noise Screening & Calibration



**System Requirement:-** IBM-PC Compatible Min P-III with Window-OS, 128 MB RAM/Multimedia Kit

## Theory module

**Features :** Theory, Figures, Photographs, Animations with controller, Highlighter tool, Note creation facility, Systematic page navigation, Printing facility.

## List of Topics

### Introduction



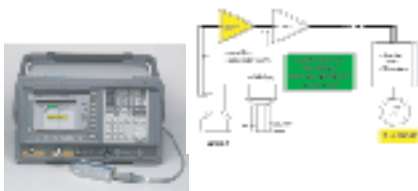
⇒ Types of the noise - External noise and Internal noise.

### Measurement of Noise

- ⇒ Addition of noise due to several sources
- ⇒ Addition of noise due to several amplifiers in cascade
- ⇒ Noise in reactive circuits



### Noise Figure



- ⇒ Signal-to noise ratio
- ⇒ Definition of noise figure
- ⇒ Calculation of noise figure
- ⇒ Noise figure equivalent noise resistance
- ⇒ Noise figure and measurement.

### Noise Temperature

⇒ Measurement of noise temperature.



### Noise and Frequency Modulation



- ⇒ Effect of noise on carrier- Noise triangle
- ⇒ Pre-emphasis and de-emphasis
- ⇒ Other forms of interference
- ⇒ Comparison of wideband and narrowband FM
- ⇒ Stereophonic FM multiplex system.

### Branch offices