



# Dielectric Constant Measurement

Nvis 6111



**Nvis 6111 Dielectric Constant Measurement** is designed to measure Dielectric Constant of different solid materials like Teflon, Glass, Bakelite, etc. A dielectric substance is the electrically insulating material. An effective dielectric typically contains polar molecules that reorient in external electric field. Such materials when placed between the plates of a capacitor it increases the polarization and the value of the capacitance. The dielectric constant is the ratio of electrical conductivity with dielectric material and without dielectric material. Nvis 6111 uses this relation for calculating dielectric constant with the help of inbuilt RF signal generator and LCD.

## Features

- Very easy to operate
- Provided with in-built Variable and Test capacitor
- Variable capacitor with high accuracy measurement
- LCD display
- Online product tutorial

## Technical Specifications

<b>Main Supply</b>	: 230V $\pm$ 10%, 50Hz
<b>Display</b>	: LCD
<b>Variable Capacitor</b>	: 20-290pF
<b>Test Sample</b>	: Glass, Bakelite and Teflon

## Scope of Learning

- Measurement of Dielectric Constant of Different Materials

