

# Permittivity and Loss Factor

## Principle

Determination of permittivity (dielectric constant) and Loss Factor ( $\tan \delta$ ) (measurement under Alternate Current, AC)

Samples are solid plates, thin films, fluids and greases

## Capabilities

- Solid Electrical Insulation (ASTM D150)
- Insulating liquids (ASTM D924)

## Assets

	Asset	Details
	<b>Agilent (Keysight) Precision LCR meter E4980A</b>	Impedance/Capacitance Meter
	<b>16451B Dielectric Test Fixture</b>	for the dielectric constant of solid dielectric materials; complies with ASTM D150
	<b>Tettex</b>	for liquids, complies with ASTM D924 through custom wiring

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