

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

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