The 1J1022 Liquid Fixture is used to make accurate dielectric constant and impedance measurements of liquid materials. When used with a Wayne Kerr 6500 analyzer then the 1J1002 4-2 BNC Converter (available separately) must also be used.

The relative permittivity $\varepsilon_r$ can be calculated from the ratio of the capacitance of the Liquid Under Test to that of air using standard equations.

**Suitable models**

- 6500B series Precision Impedance Analyzer
- 6500P series HF LCR Meter

**Specification**

- Measurement Frequency: 20 Hz to 30 MHz
- Necessary Liquid Volume: 3 ml
- Prohibited Liquids: Acid oxidants and salt oxidants