

### Detail Specification and Suppliers of Dielectric Material Analyzer

Sl. No.	Item with Specification	Quantity
1	<p><b>Dielectric Material Analyzer (with accessories)</b></p> <p>Specification:</p> <ul style="list-style-type: none"><li>• High Frequency (AC Impedance Analyzer) with Liquid Sample Holder</li><li>• Compact Single Channel Impedance Analyzer</li><li>• Frequency Range: 1 mHz...10MHz, Ohm...GOhm</li><li>• High Resolution (up to 2048 frequencies per sweep)</li><li>• Precision &lt;0.1%</li><li>• Provision for measurement of Capacitance, Dissipation Factor (tan delta), Conductivity/Resistivity, and Real and Imaginary parts of the impedance/Relative Permittivity etc.</li><li>• DC Bias</li><li>• BNC interface for 2,3, and 4-electrode configuration.</li><li>• Extension Port for application-specific frontends.</li><li>• Hardware synchronization</li><li>• Simple connection through High-Speed USB, Ethernet, or Wireless LAN.</li><li>• PC-based control &amp; data analysis.</li><li>• Interface for complete instrument control from Matlab/Lab View software.</li><li>• Power supply single phase, 230 V, 50 Hz.</li><li>• Liquid sample holder should be temperature controlled up to 100 deg. centigrade from room temperature (Liquid sample holder is essential. However, temperature control feature is optional)</li><li>• Online UPS compatible with Impedance Analyzer (Optional)</li></ul>	1 Set